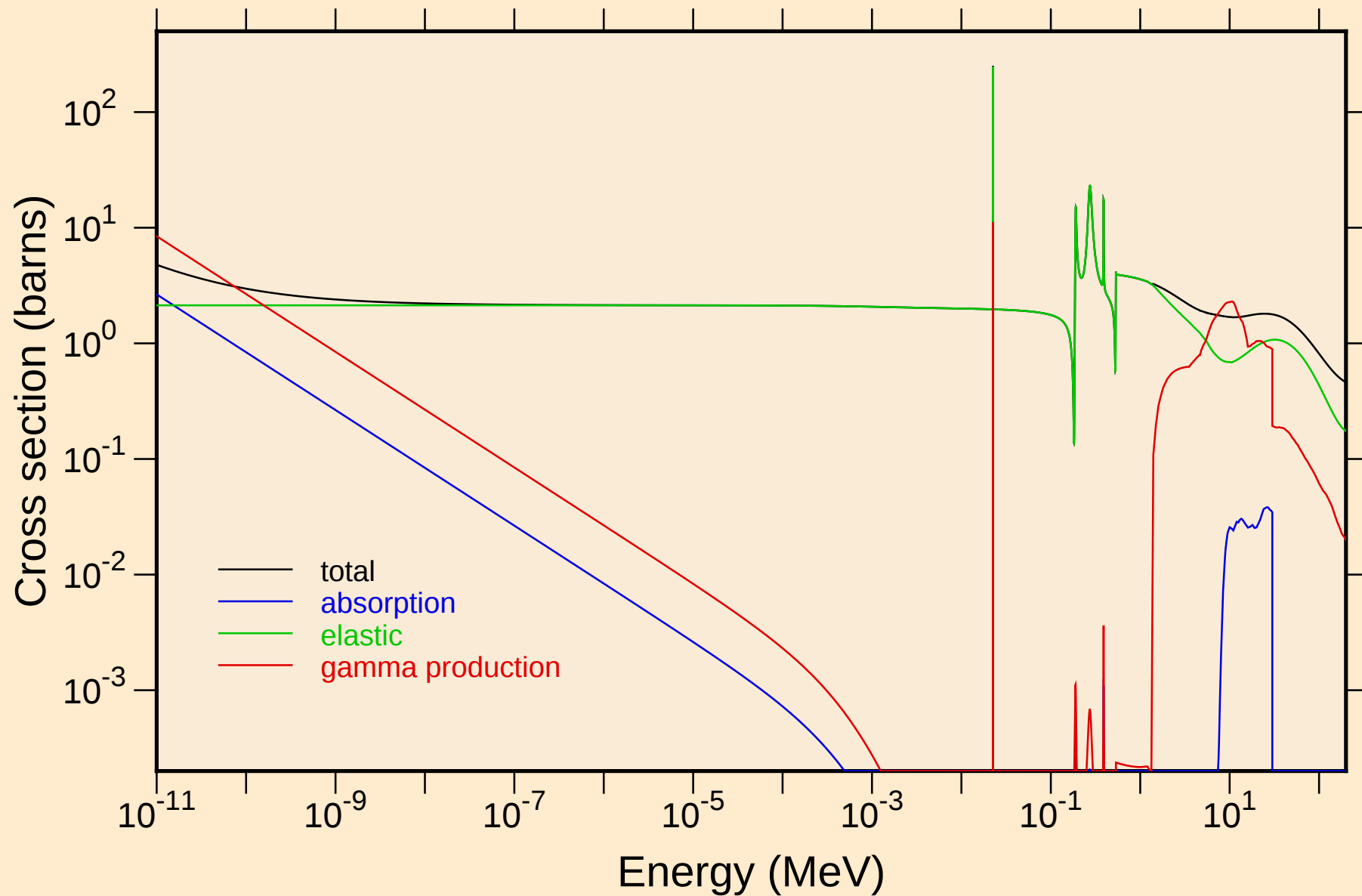
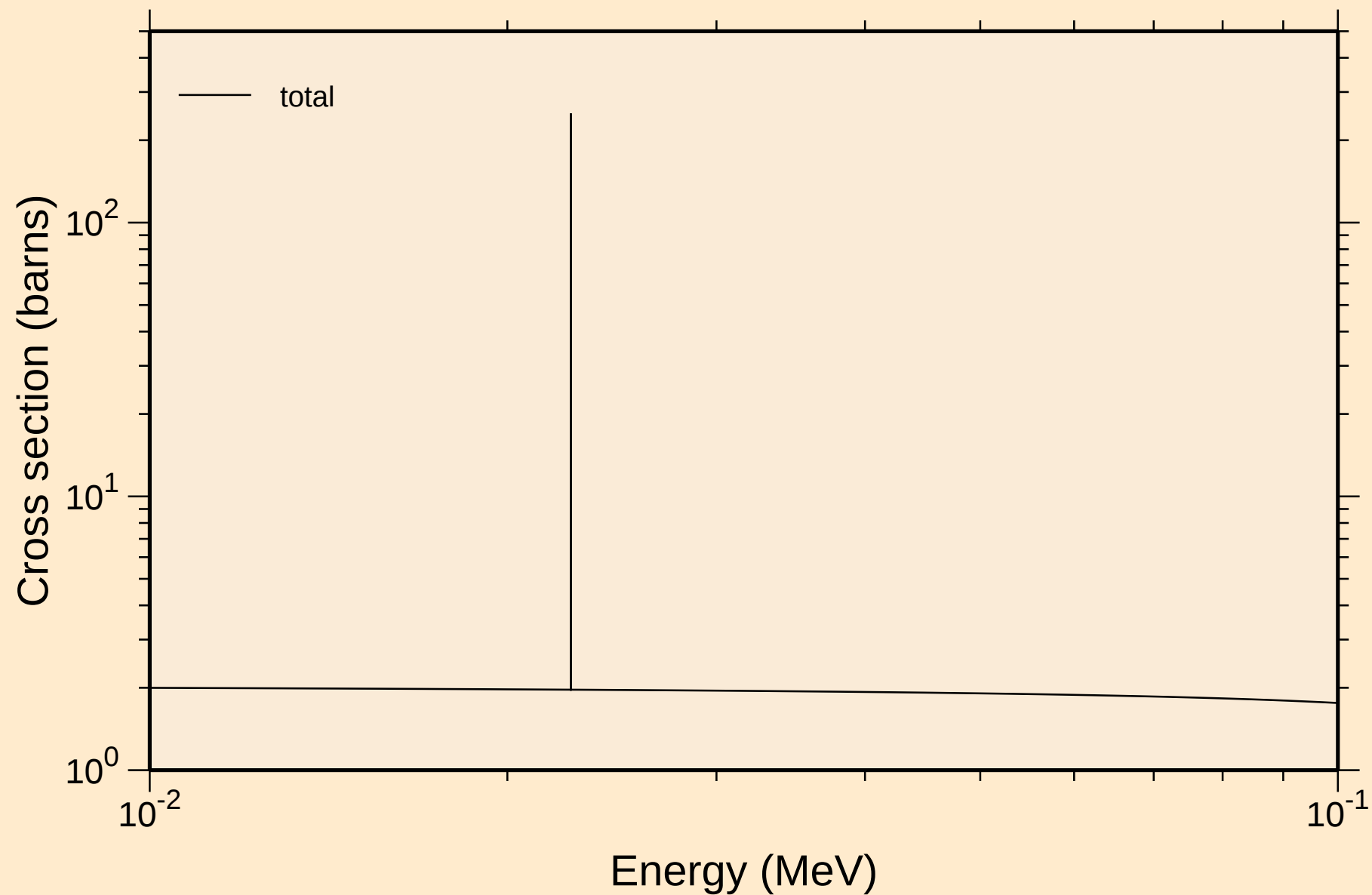


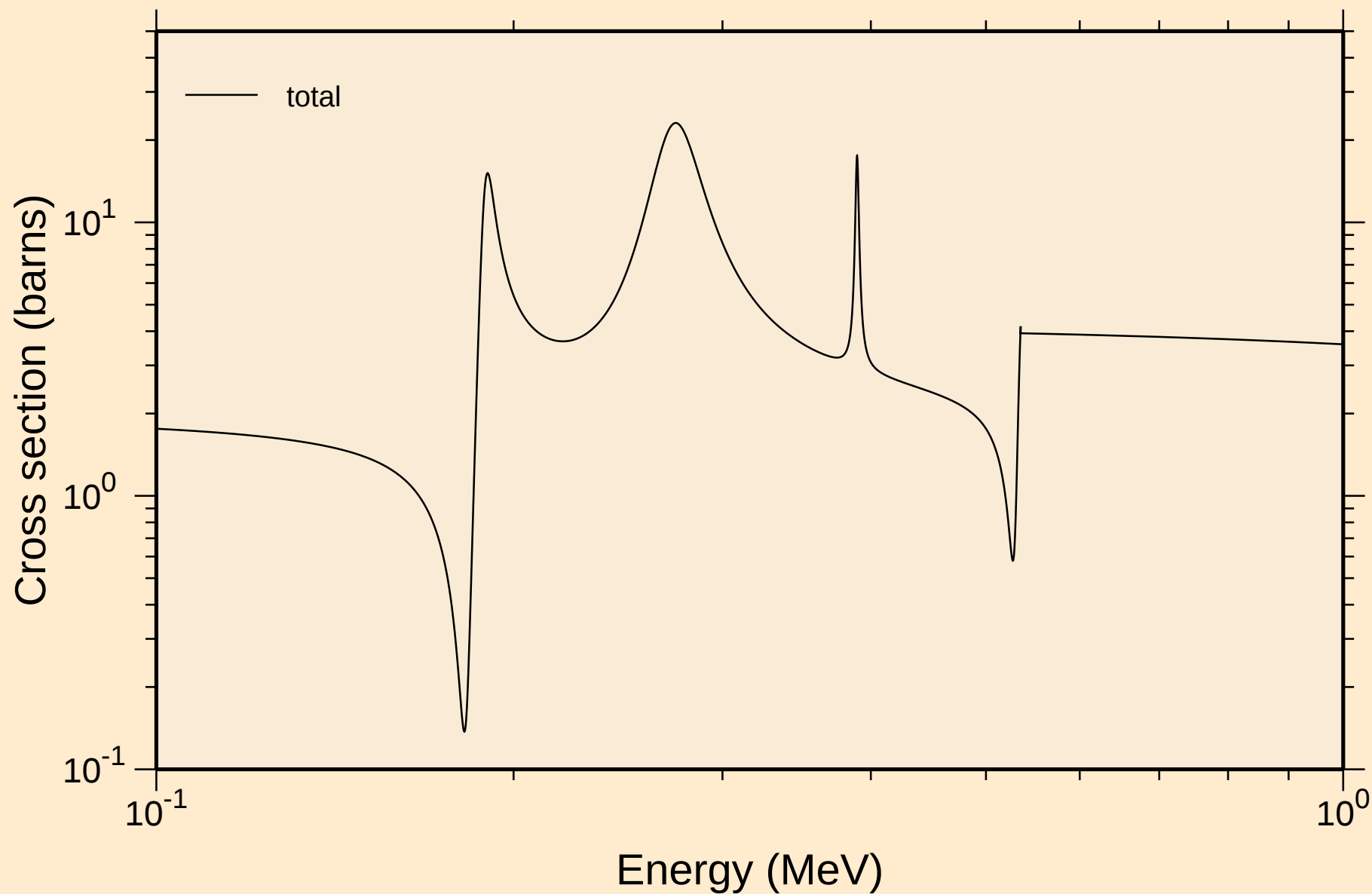
NE022 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Principal cross sections



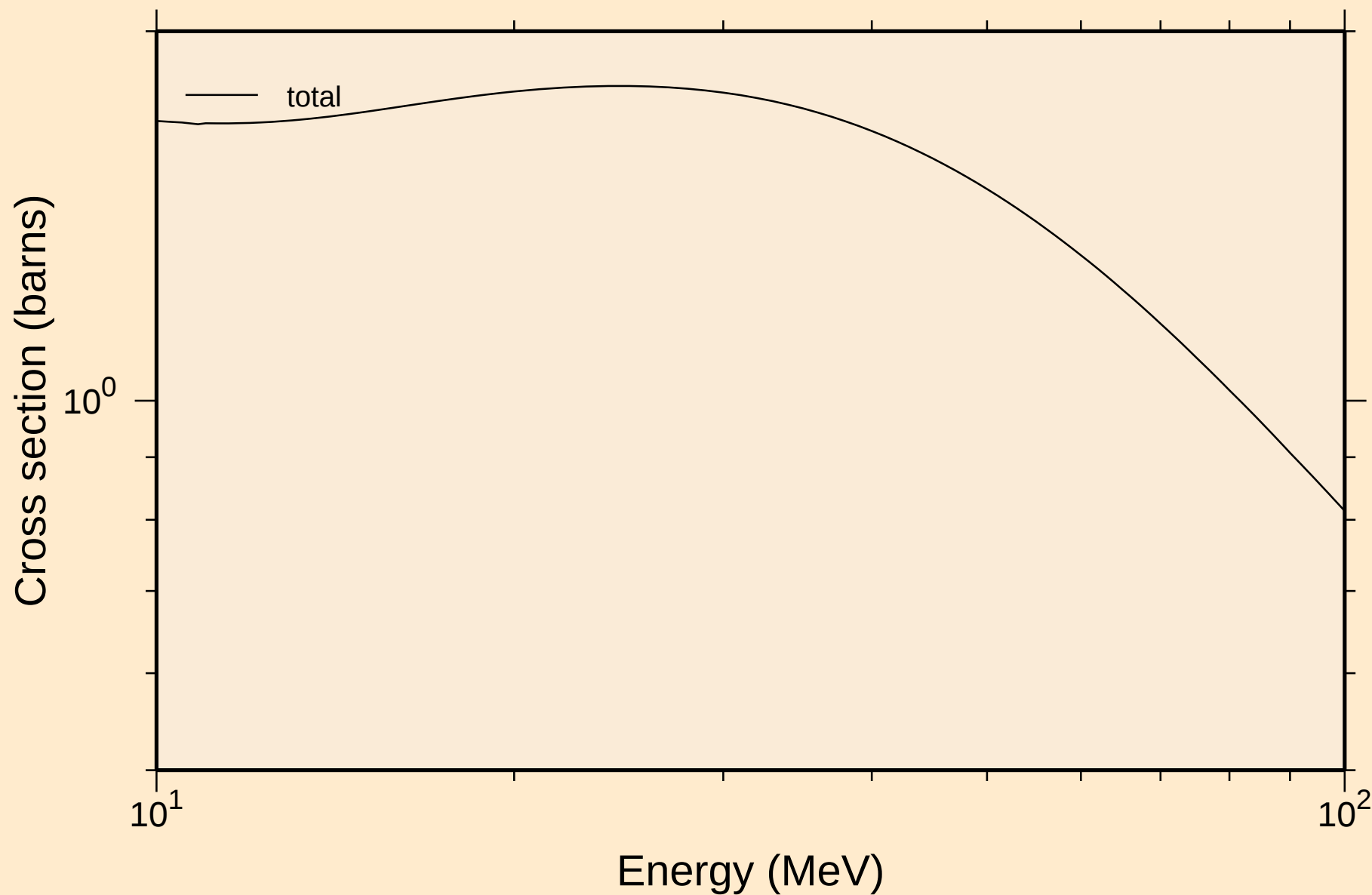
NE022 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



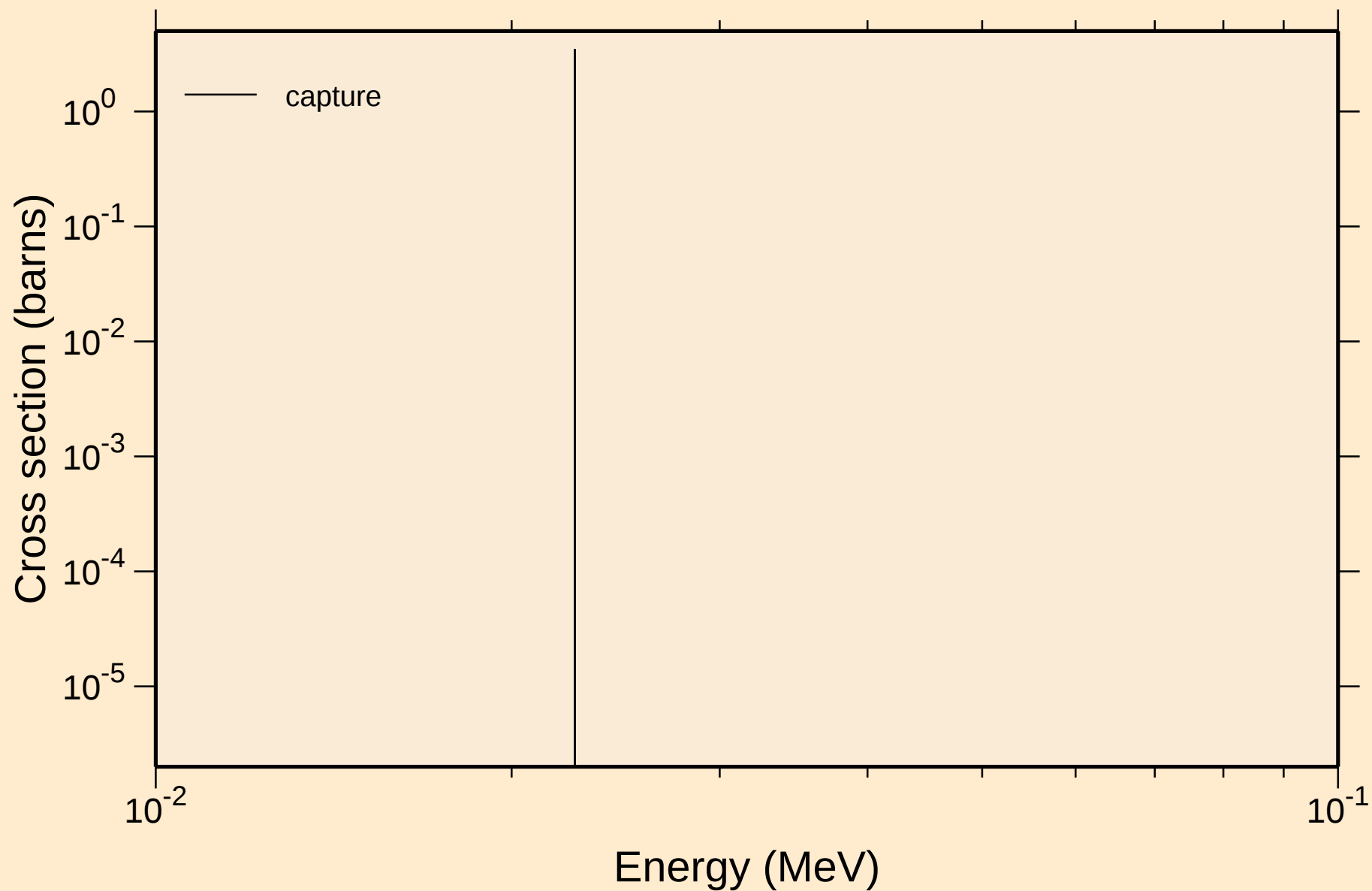
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resonance total cross section



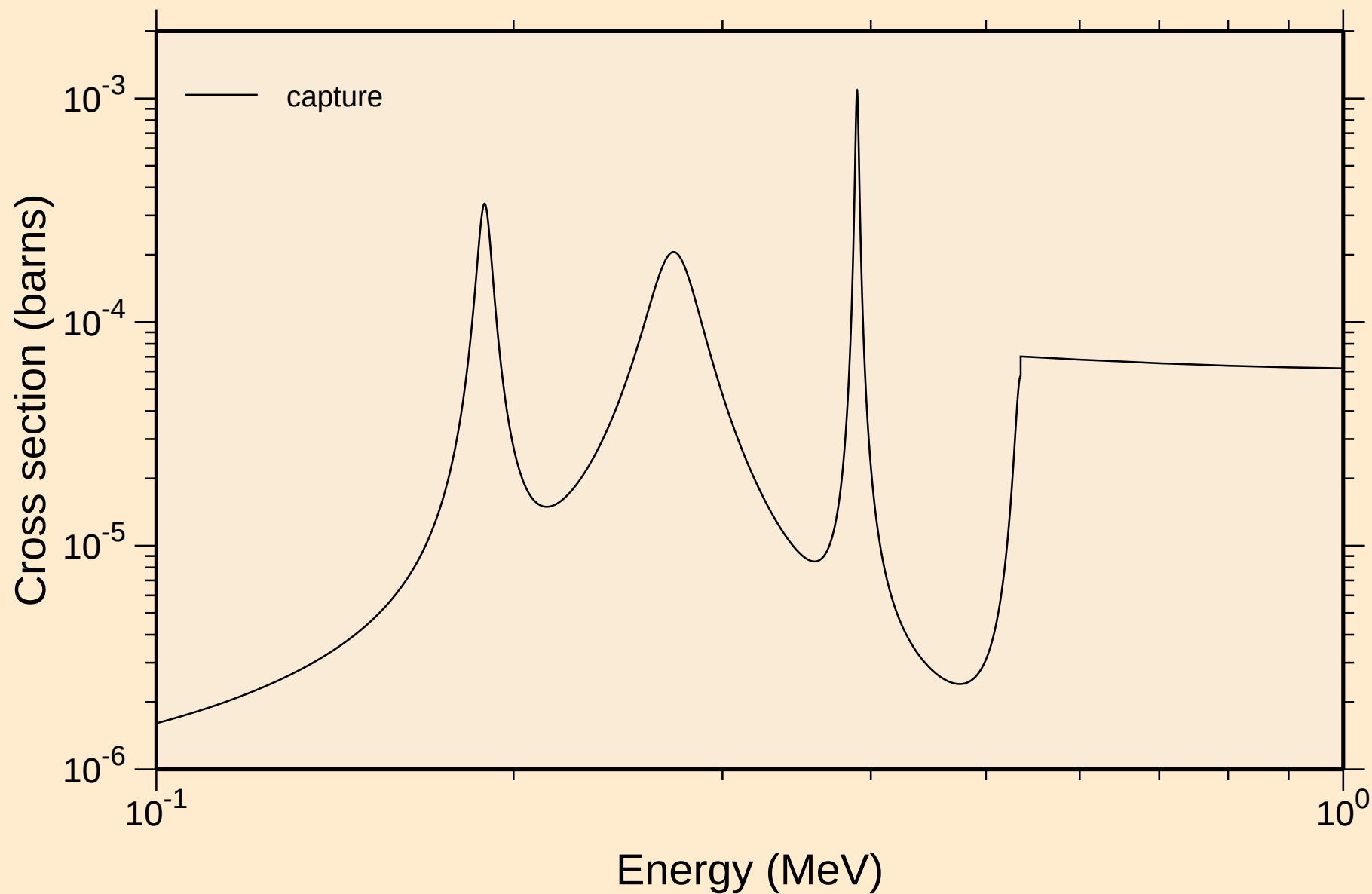
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resonance total cross section



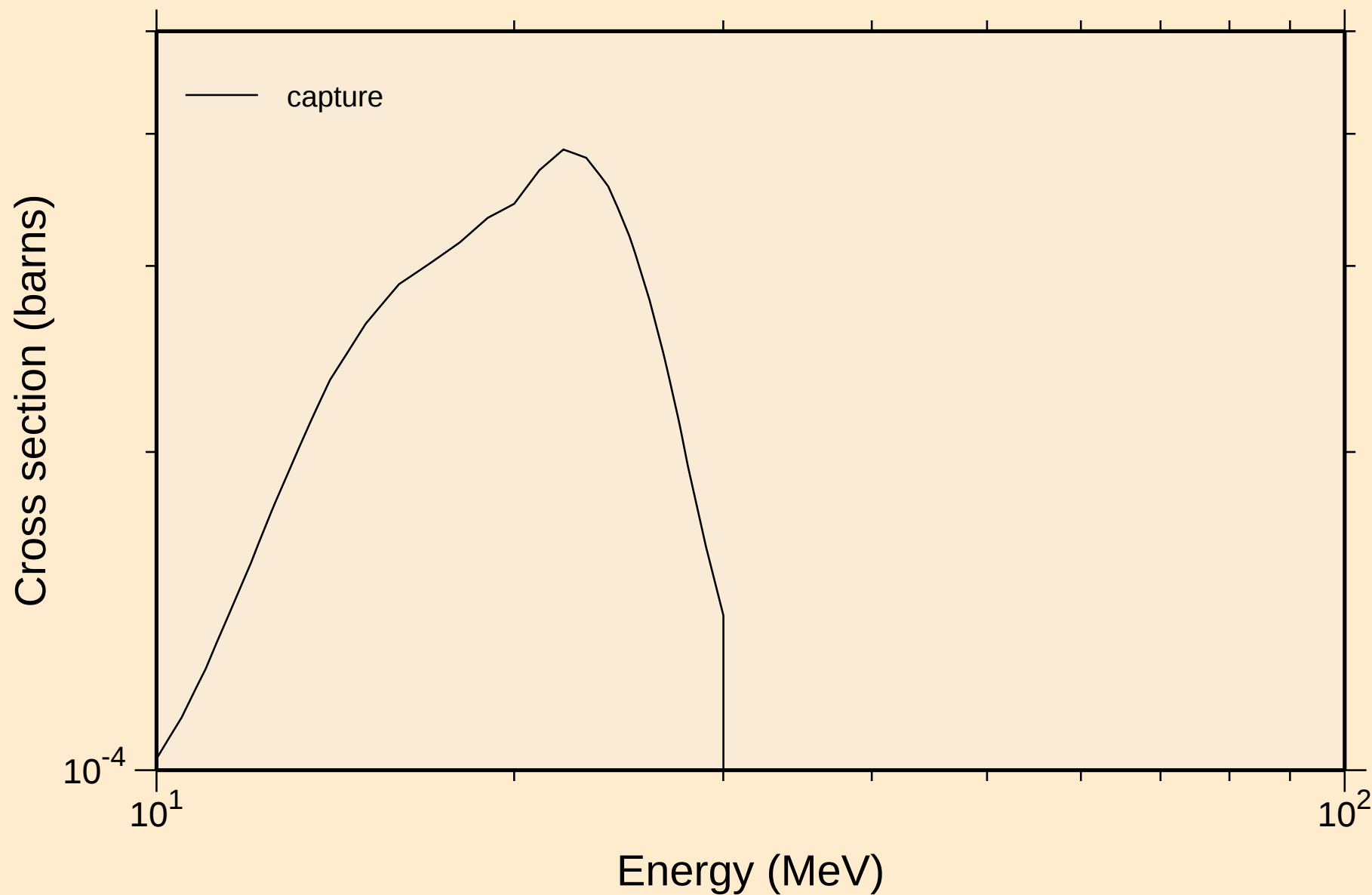
NE022 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections



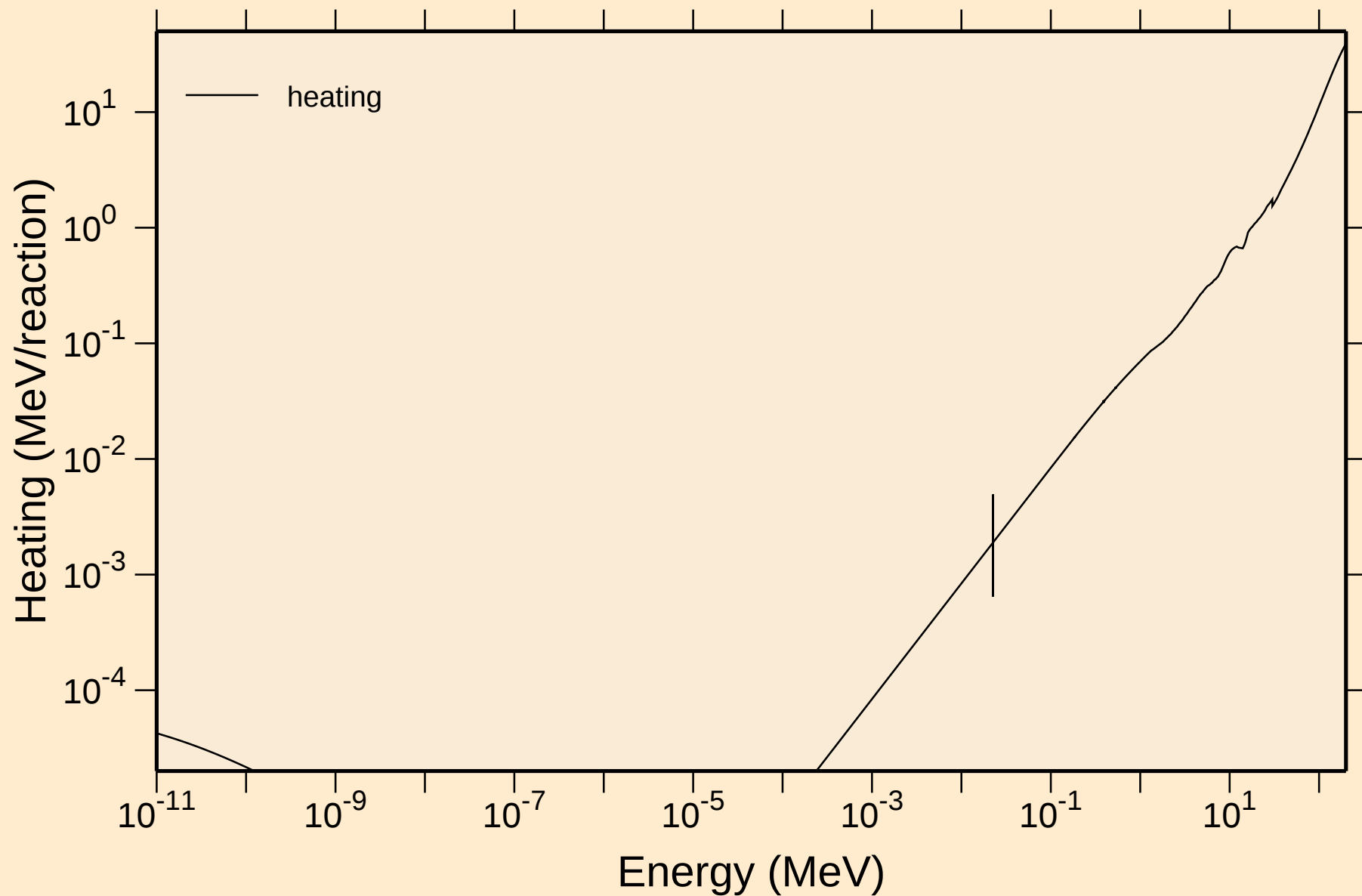
NE022 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections



NE022 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections

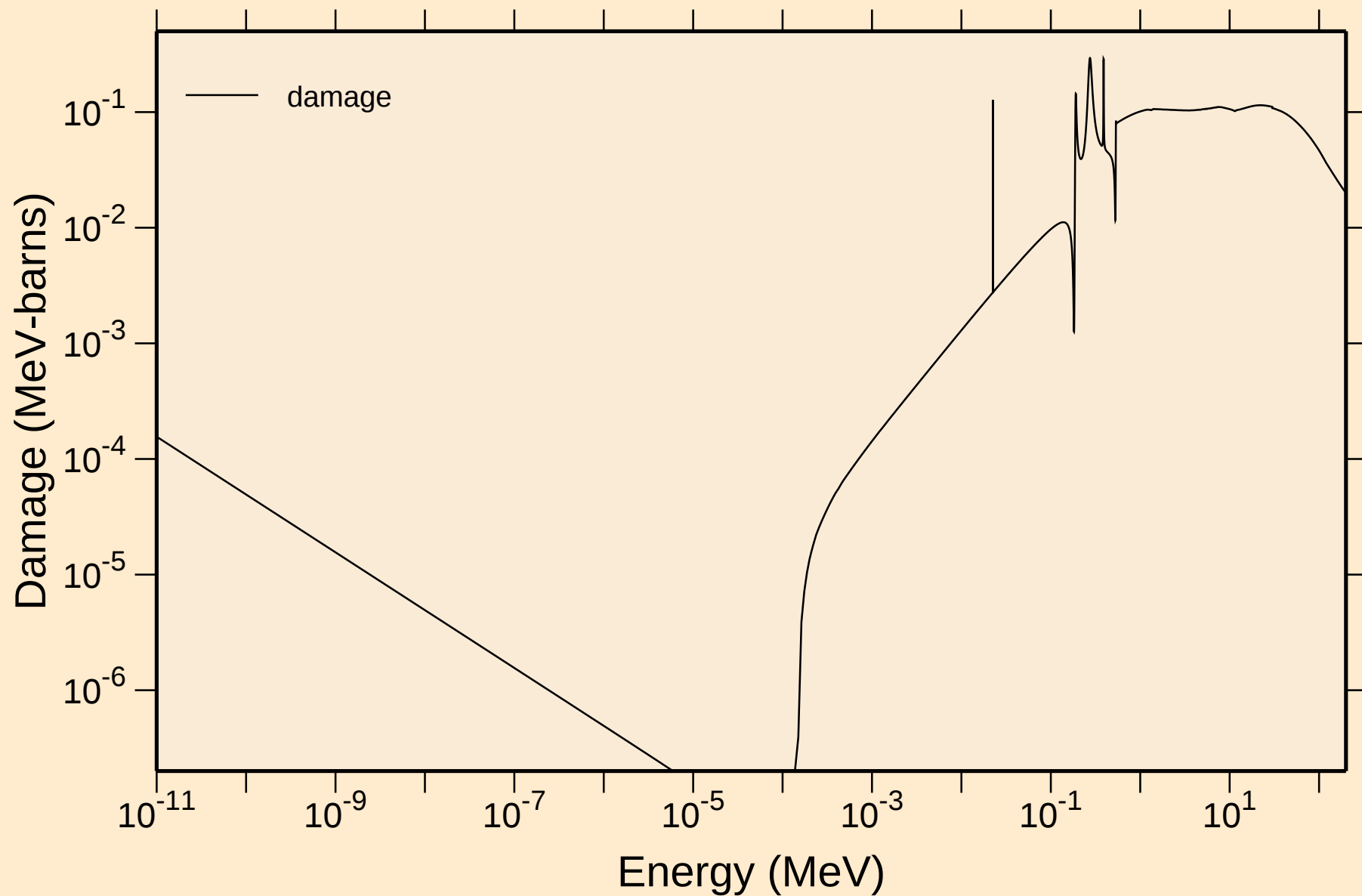


NE022 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Heating

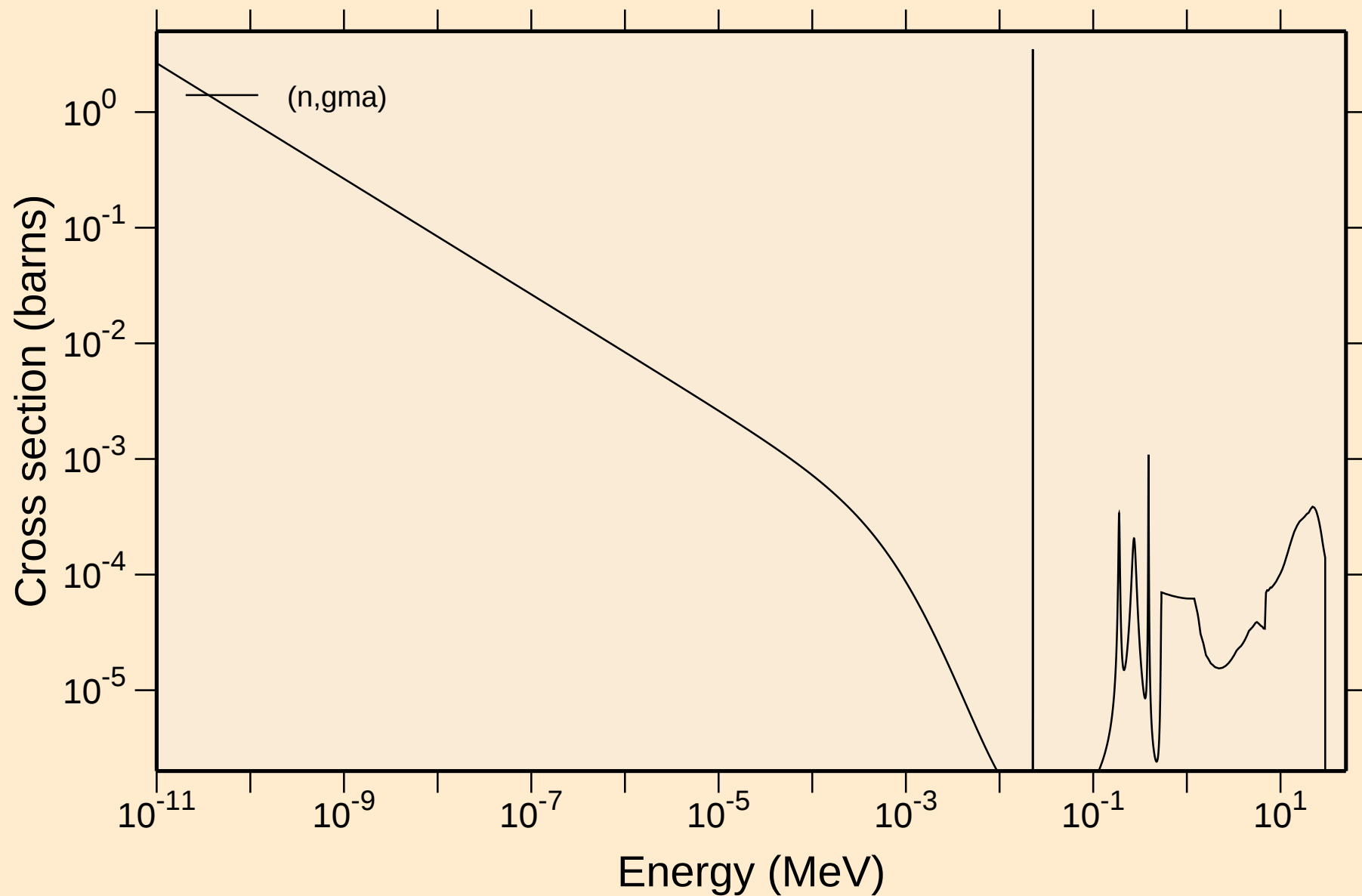


# NE022 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Damage

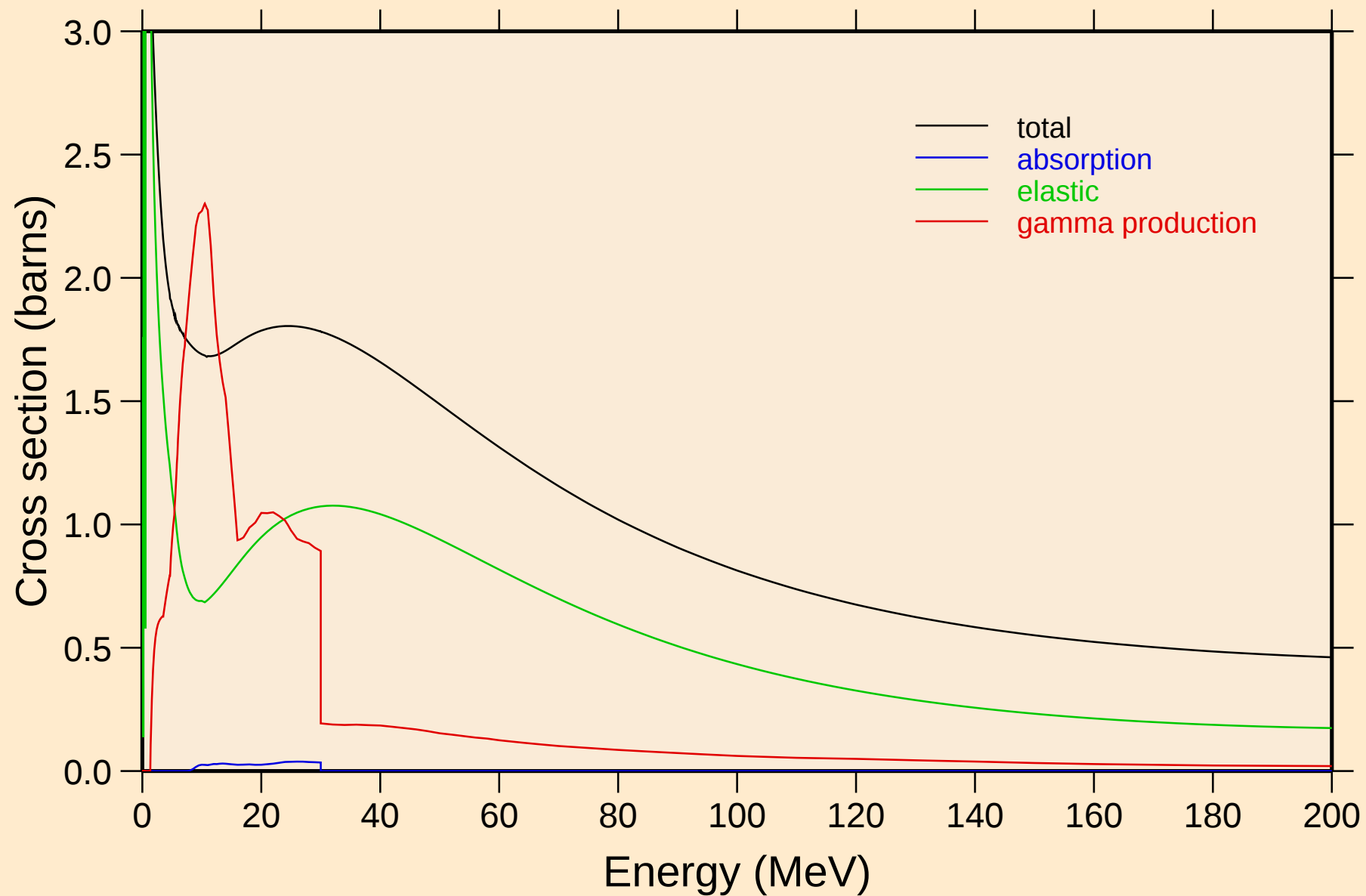


NE022 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions

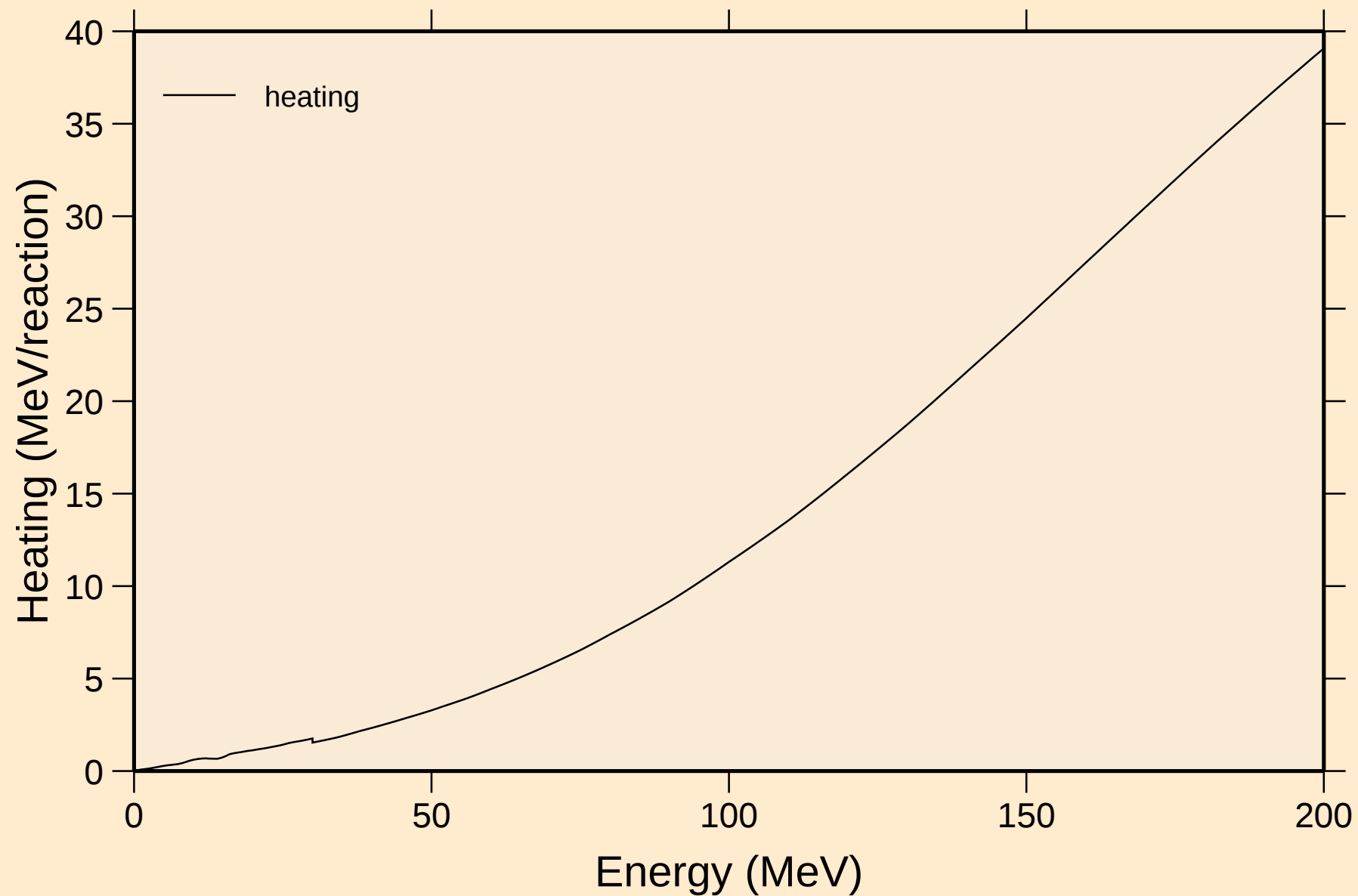


# NE022 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

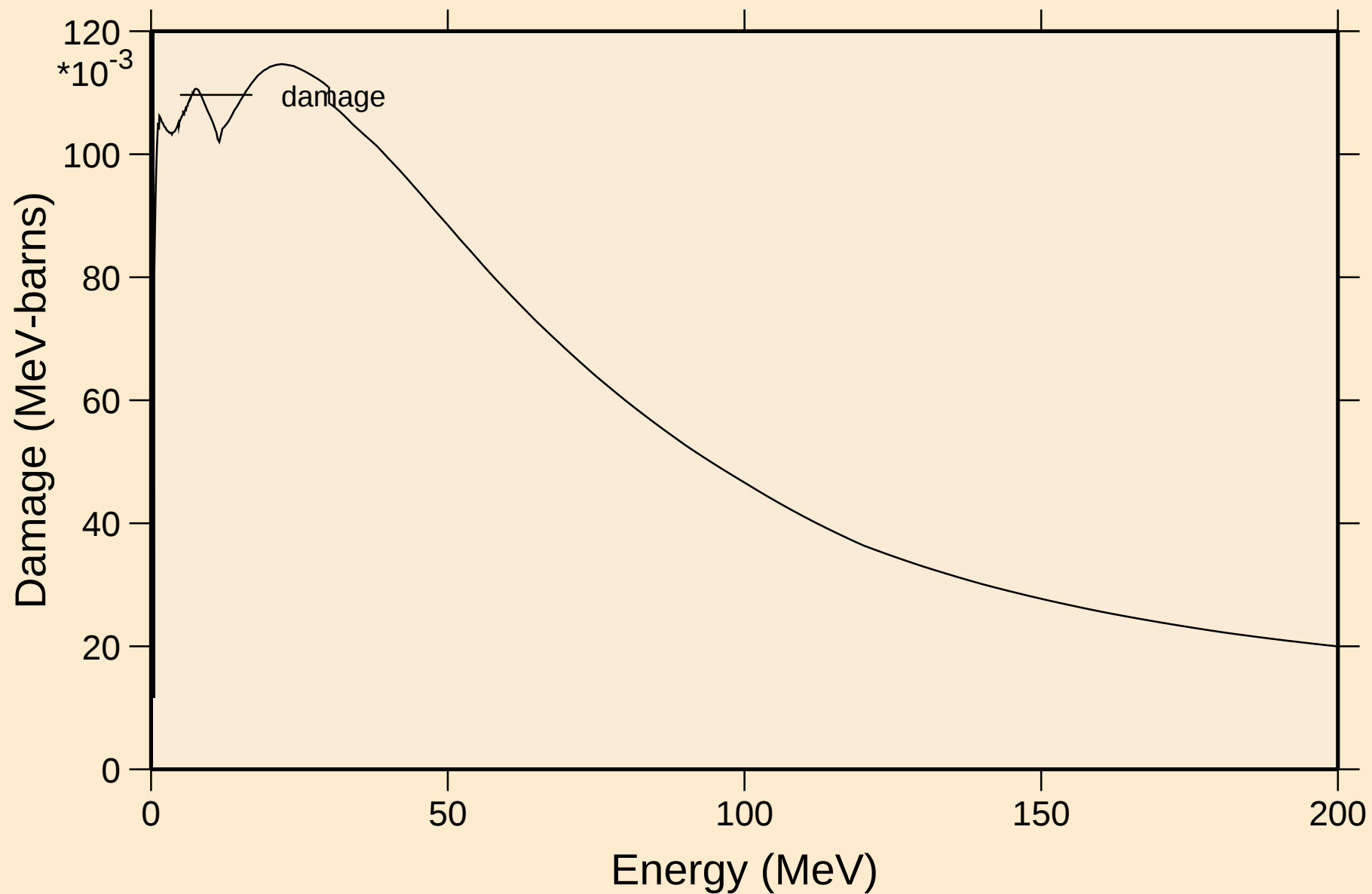
## Principal cross sections



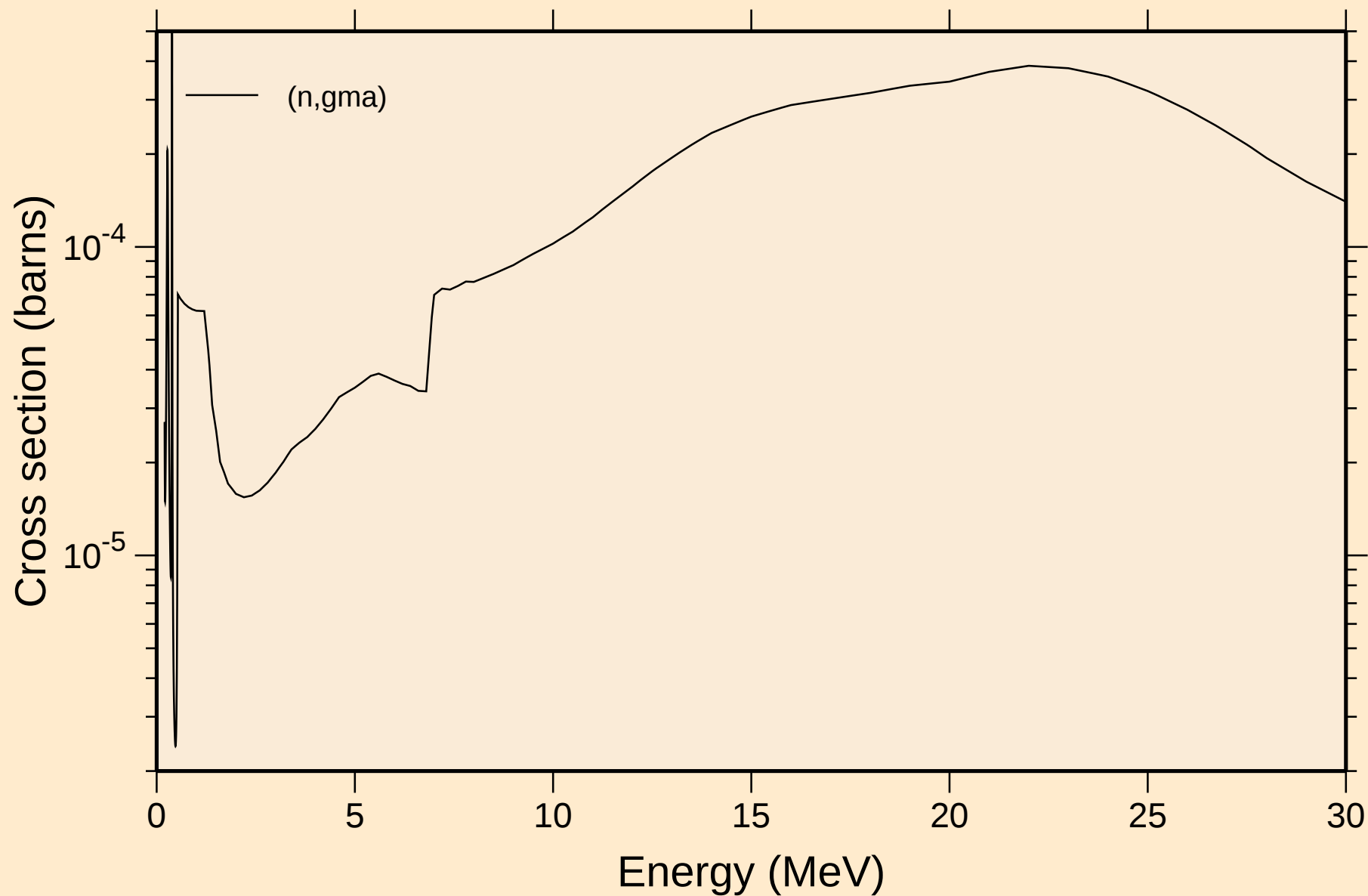
NE022 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Heating



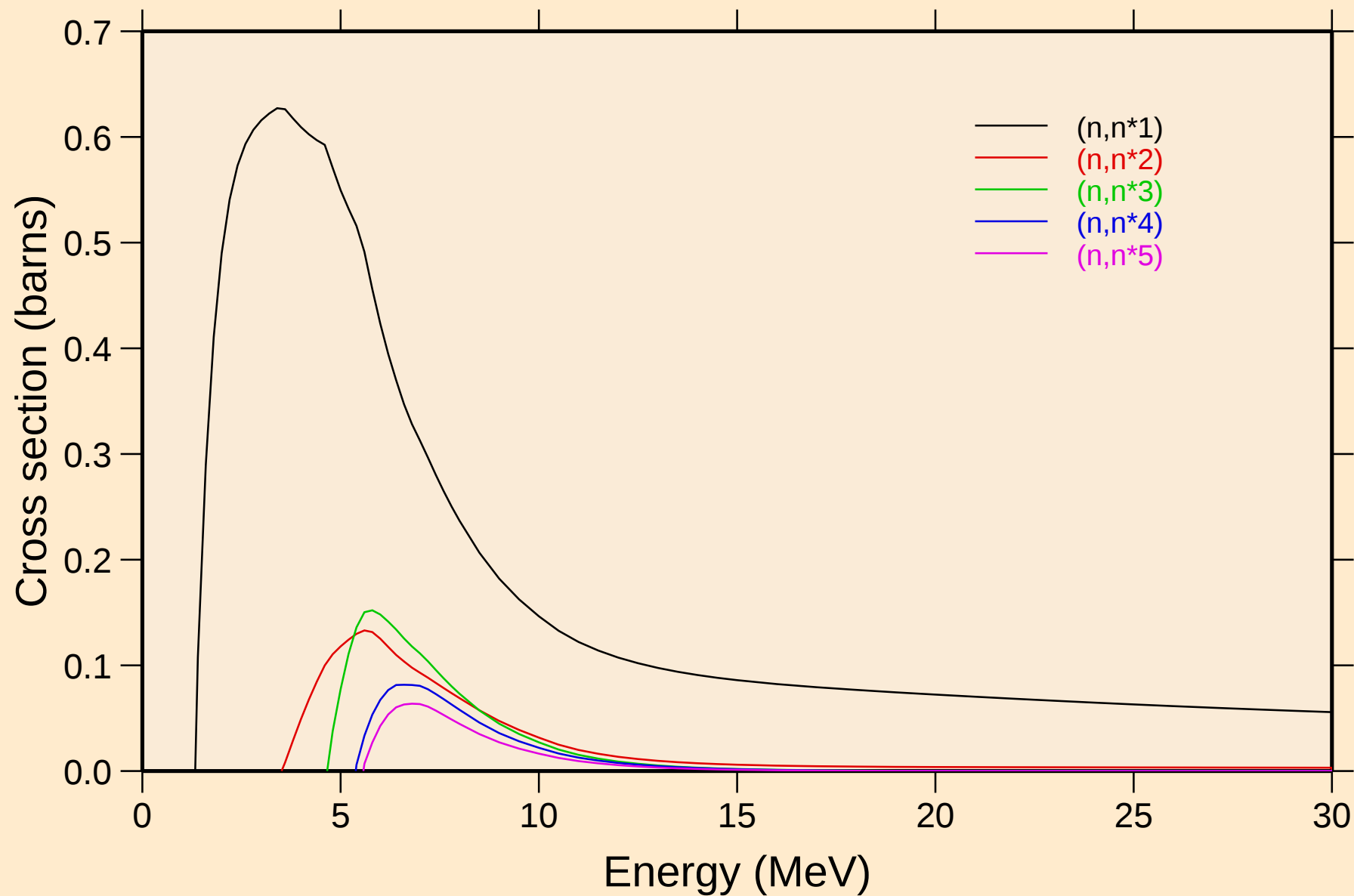
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Damage



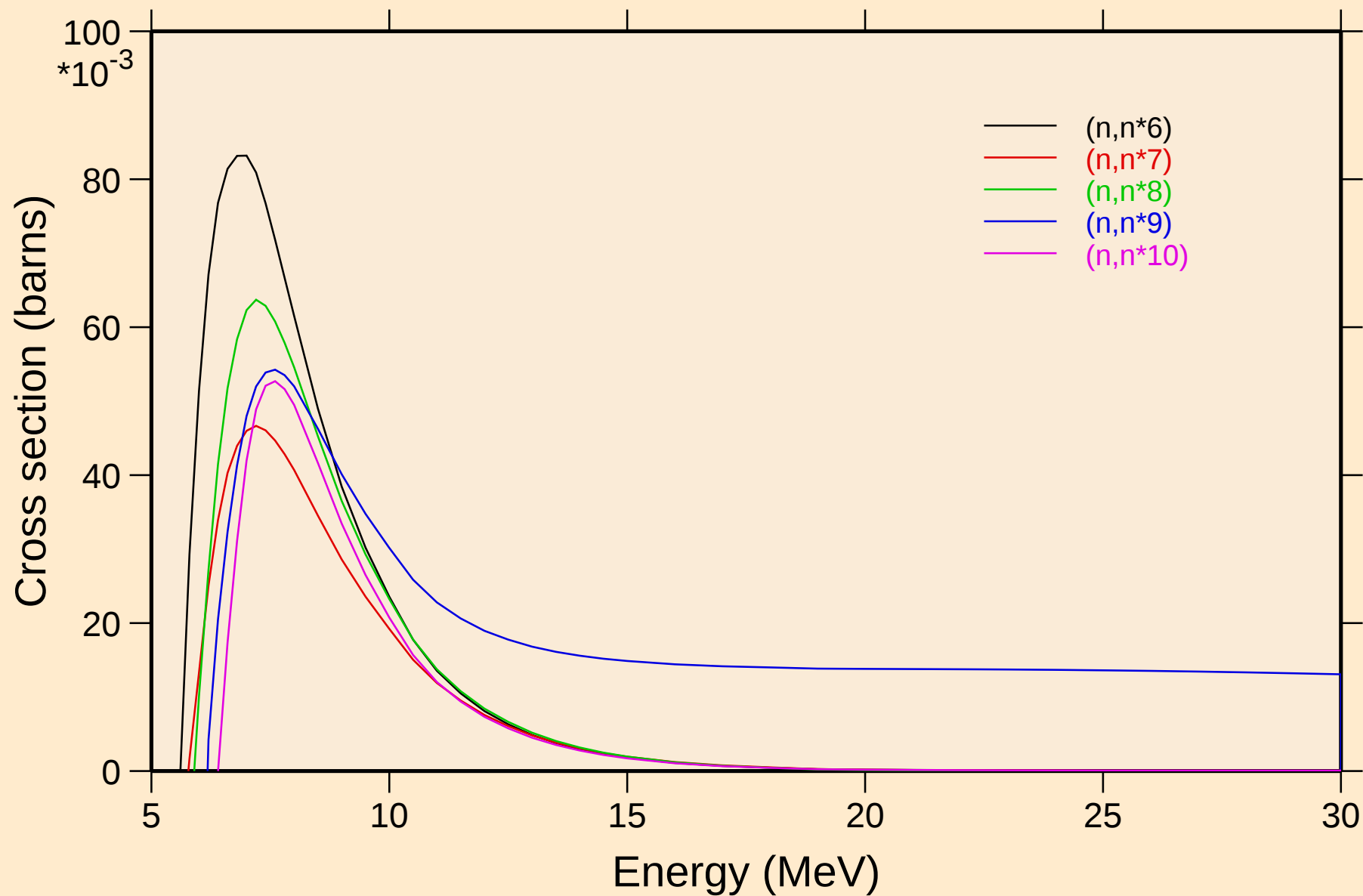
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Non-threshold reactions



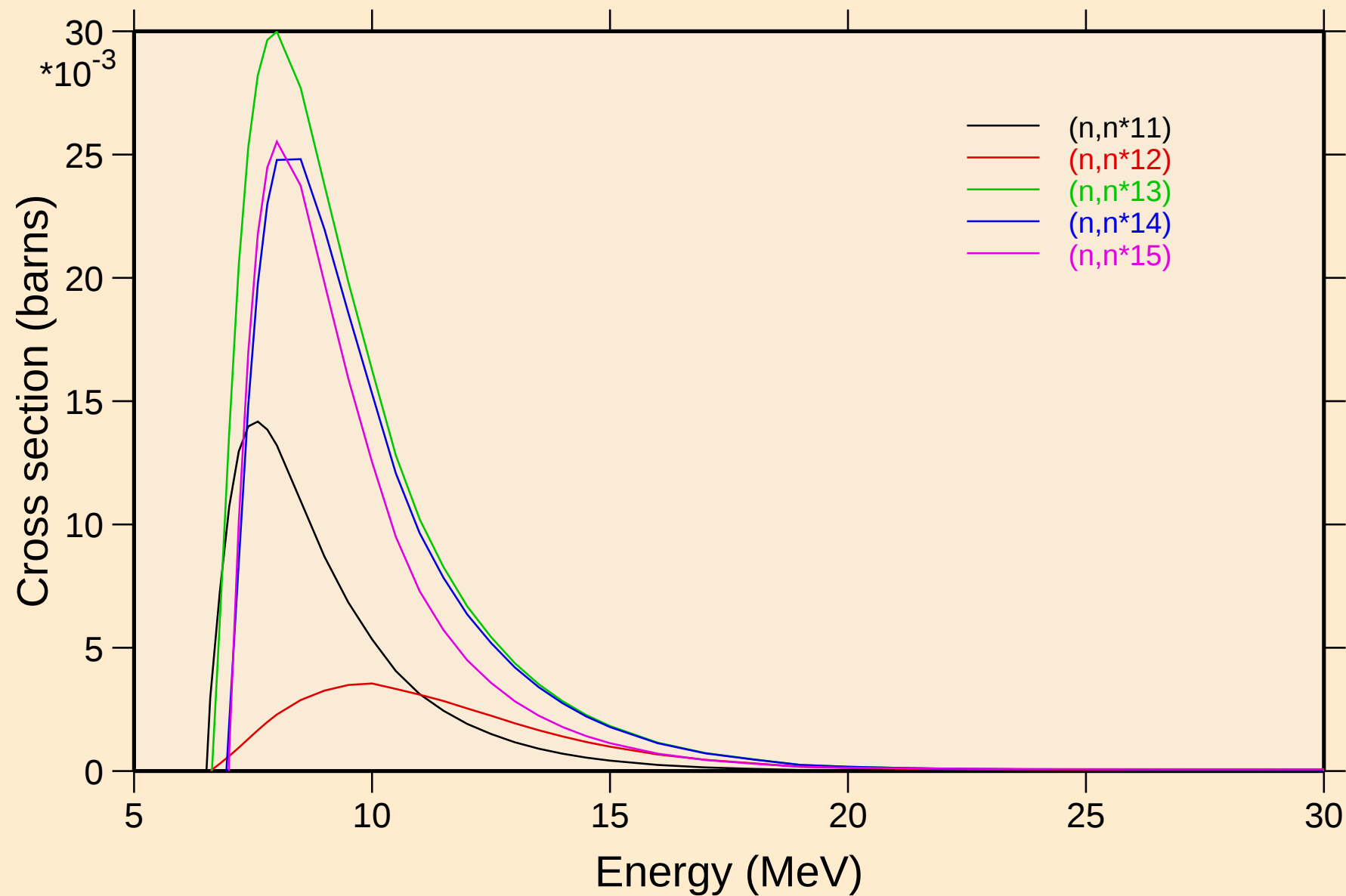
NE022 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels



NE022 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels

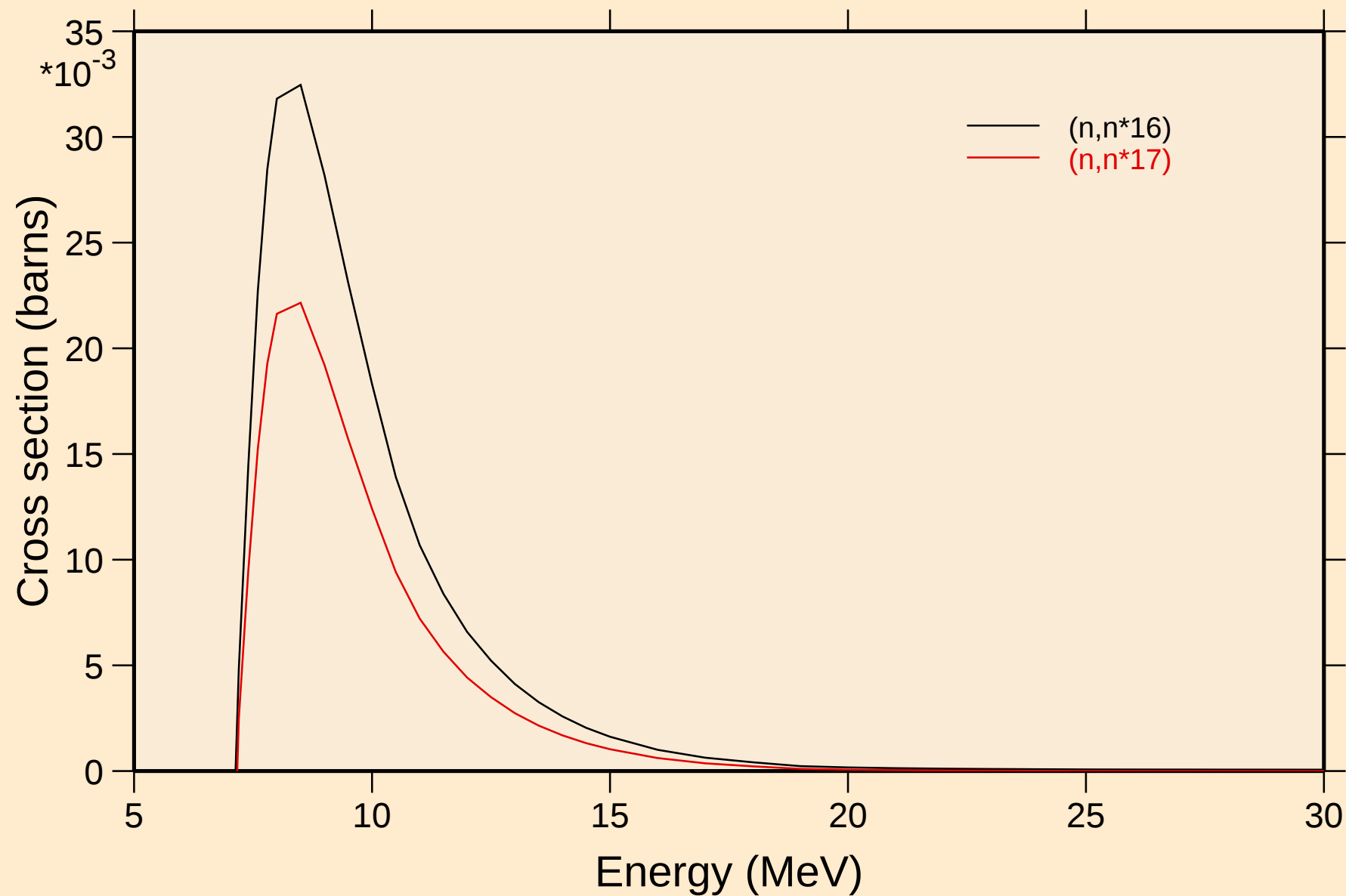


NE022 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels

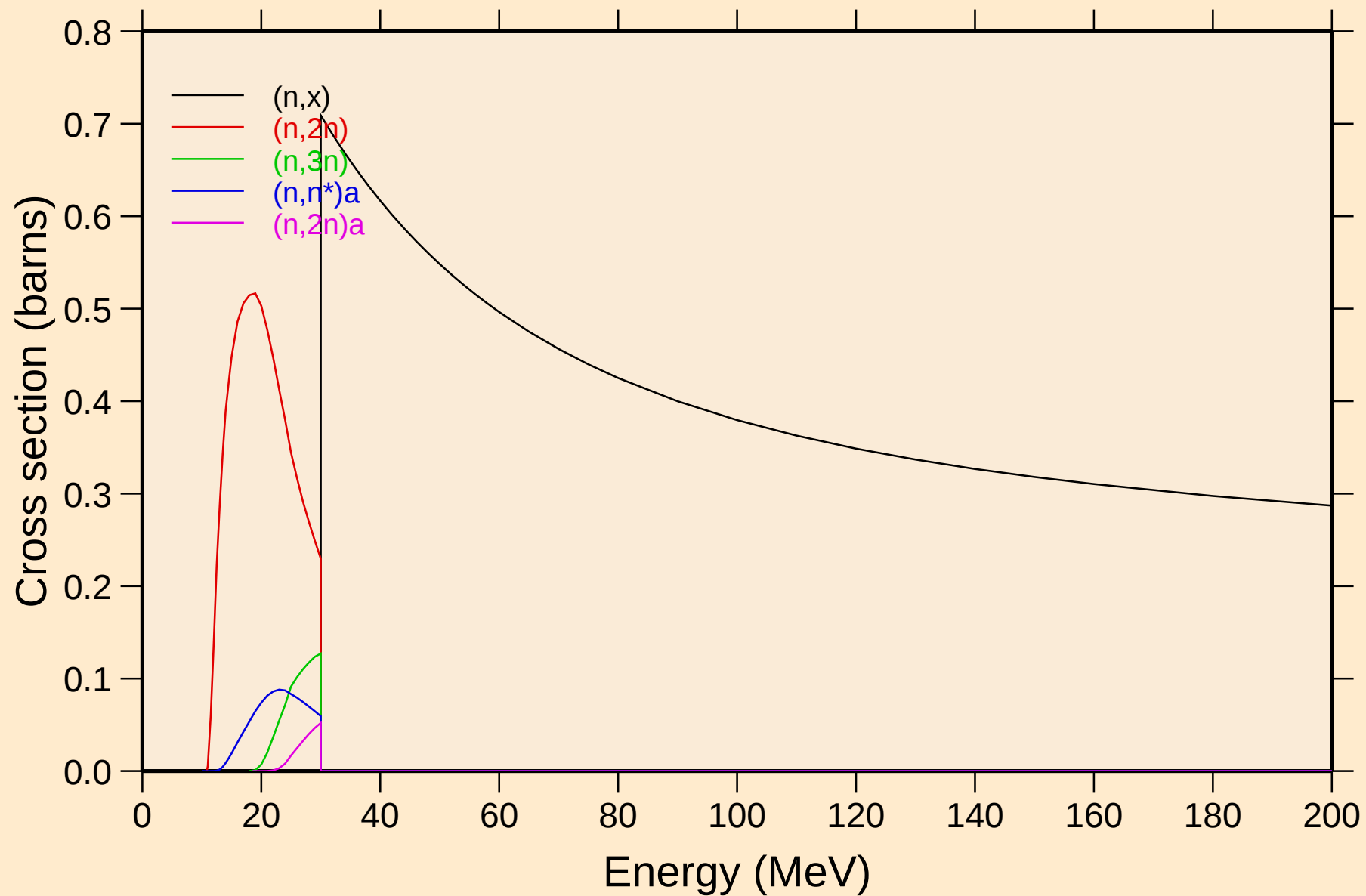


# NE022 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Inelastic levels

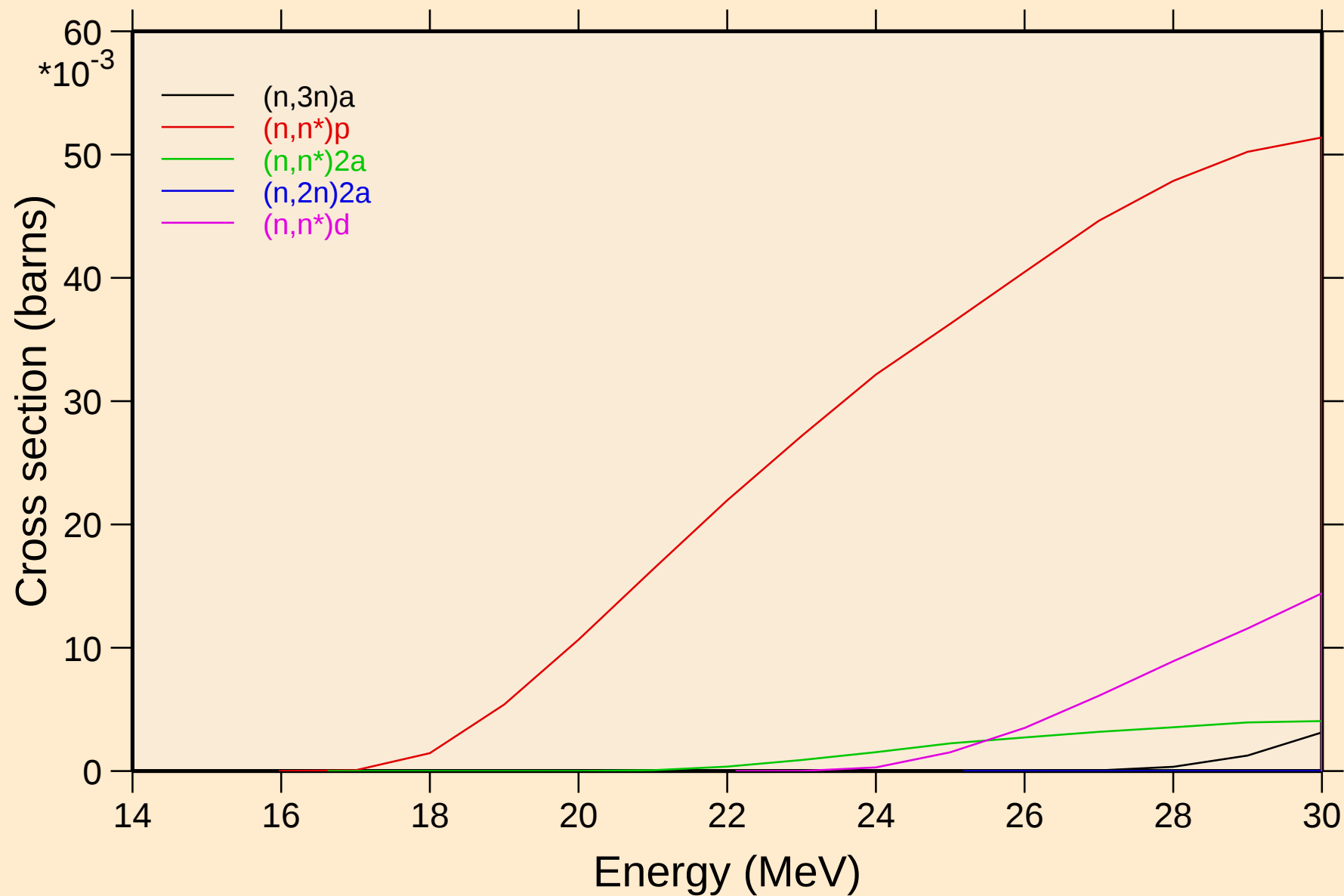


NE022 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions

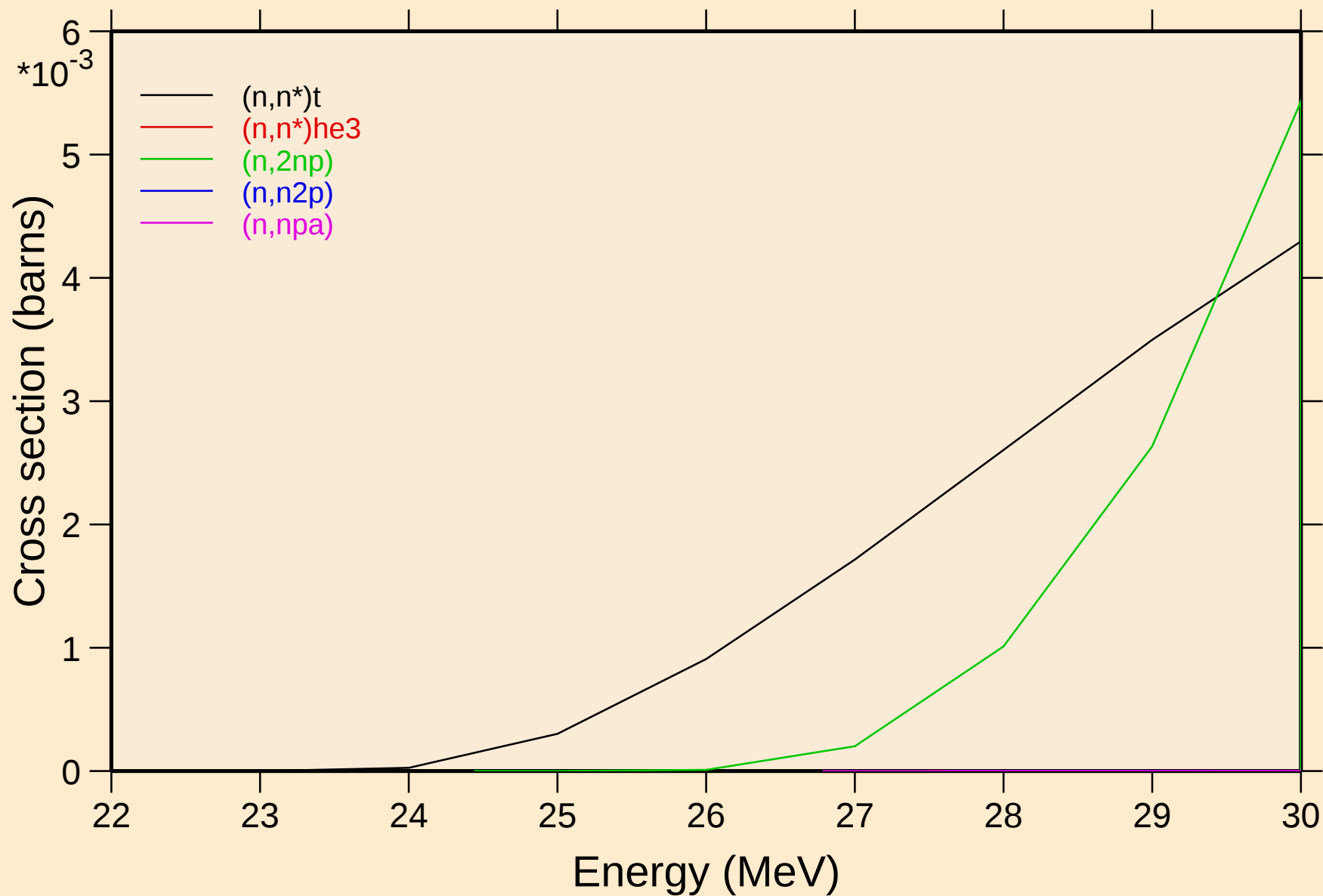


# NE022 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Threshold reactions

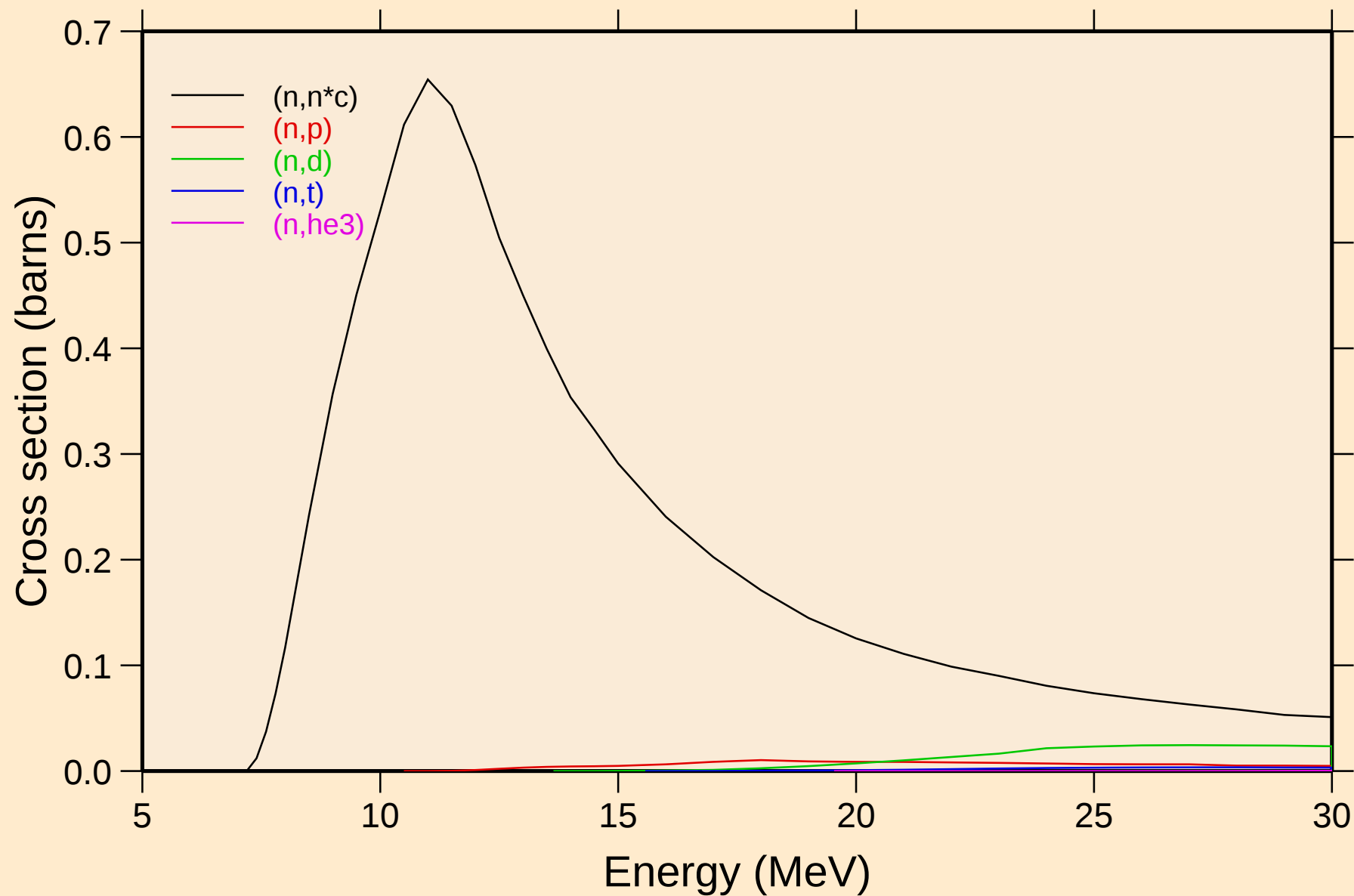


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Threshold reactions



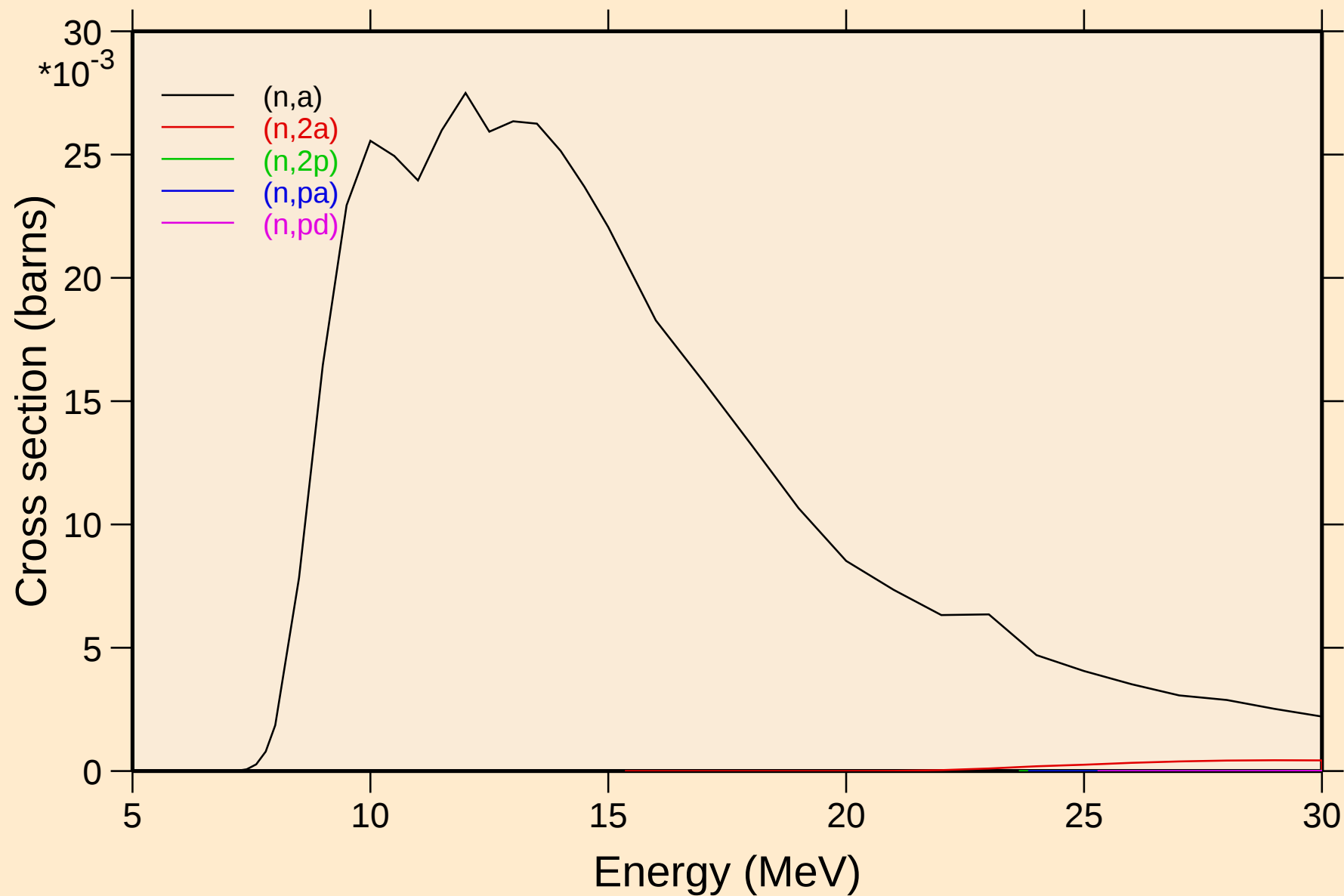
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## Threshold reactions

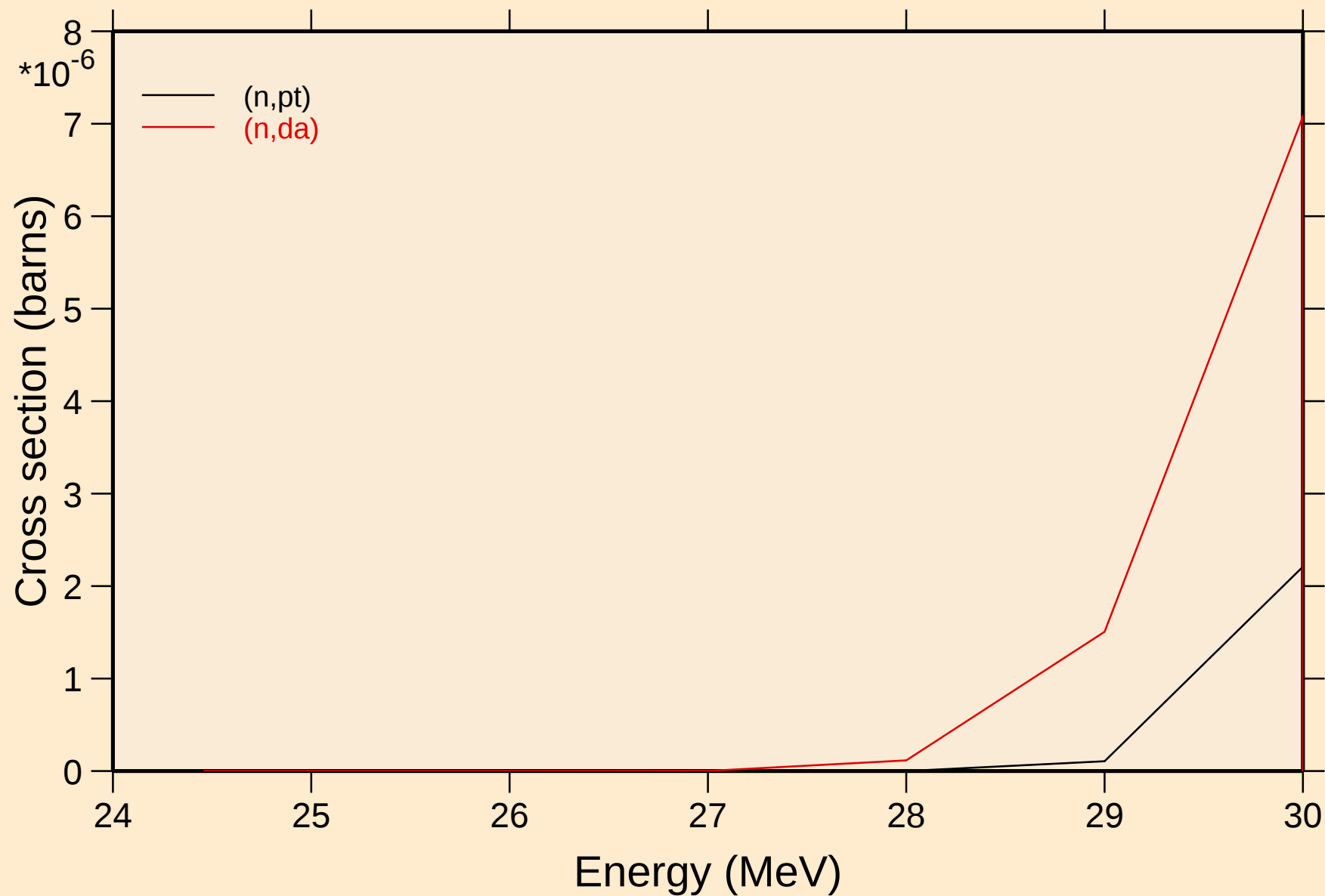


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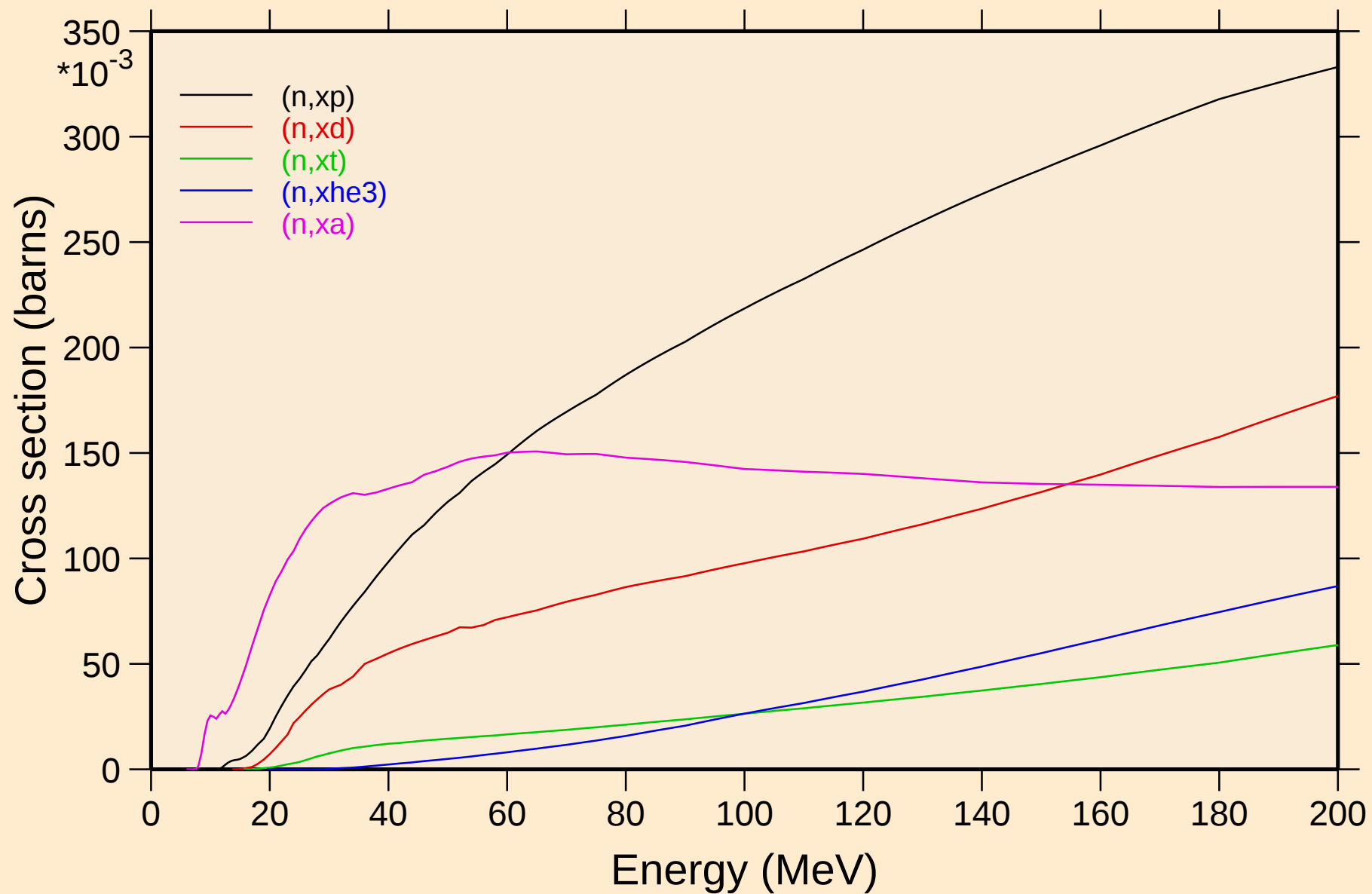
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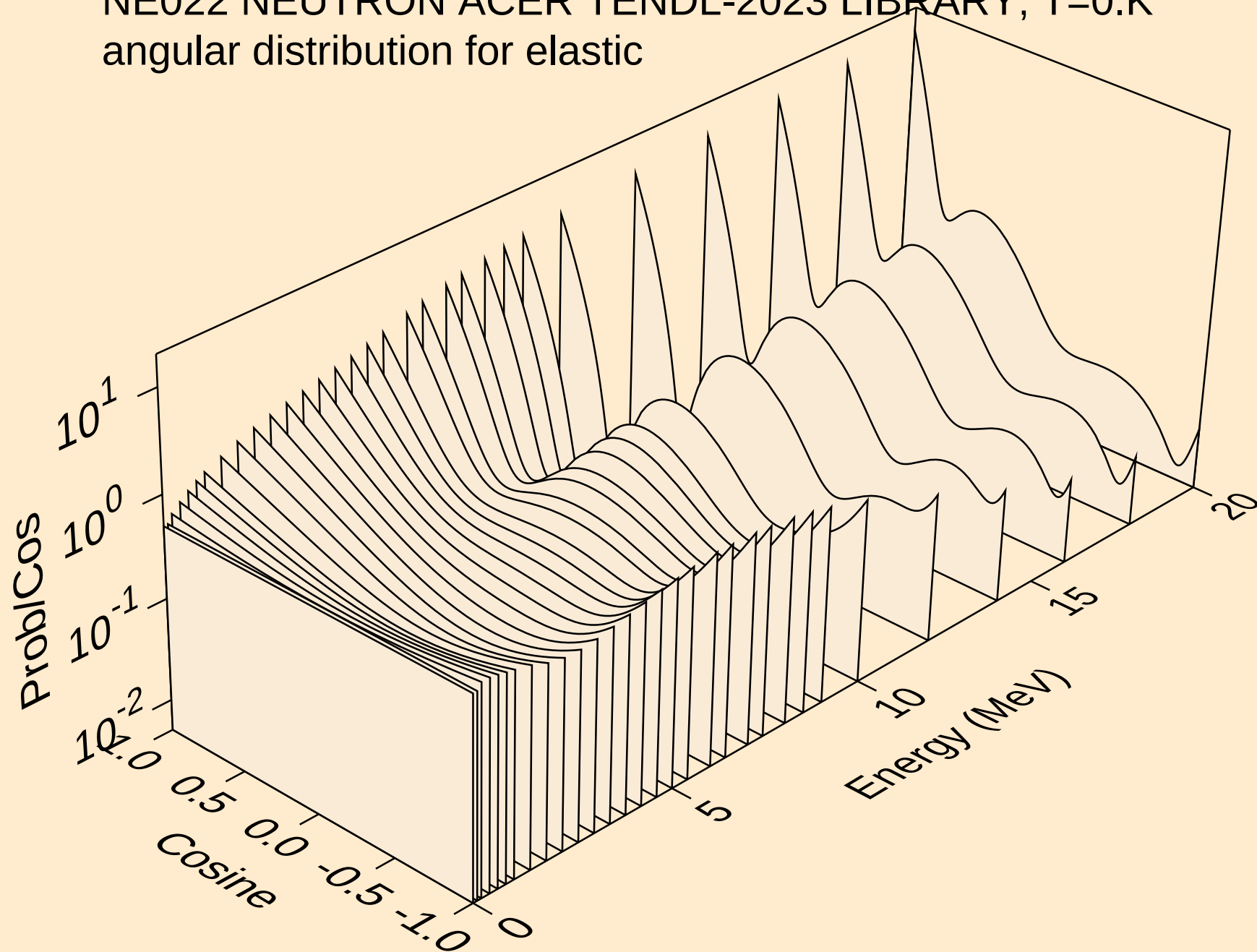
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Threshold reactions



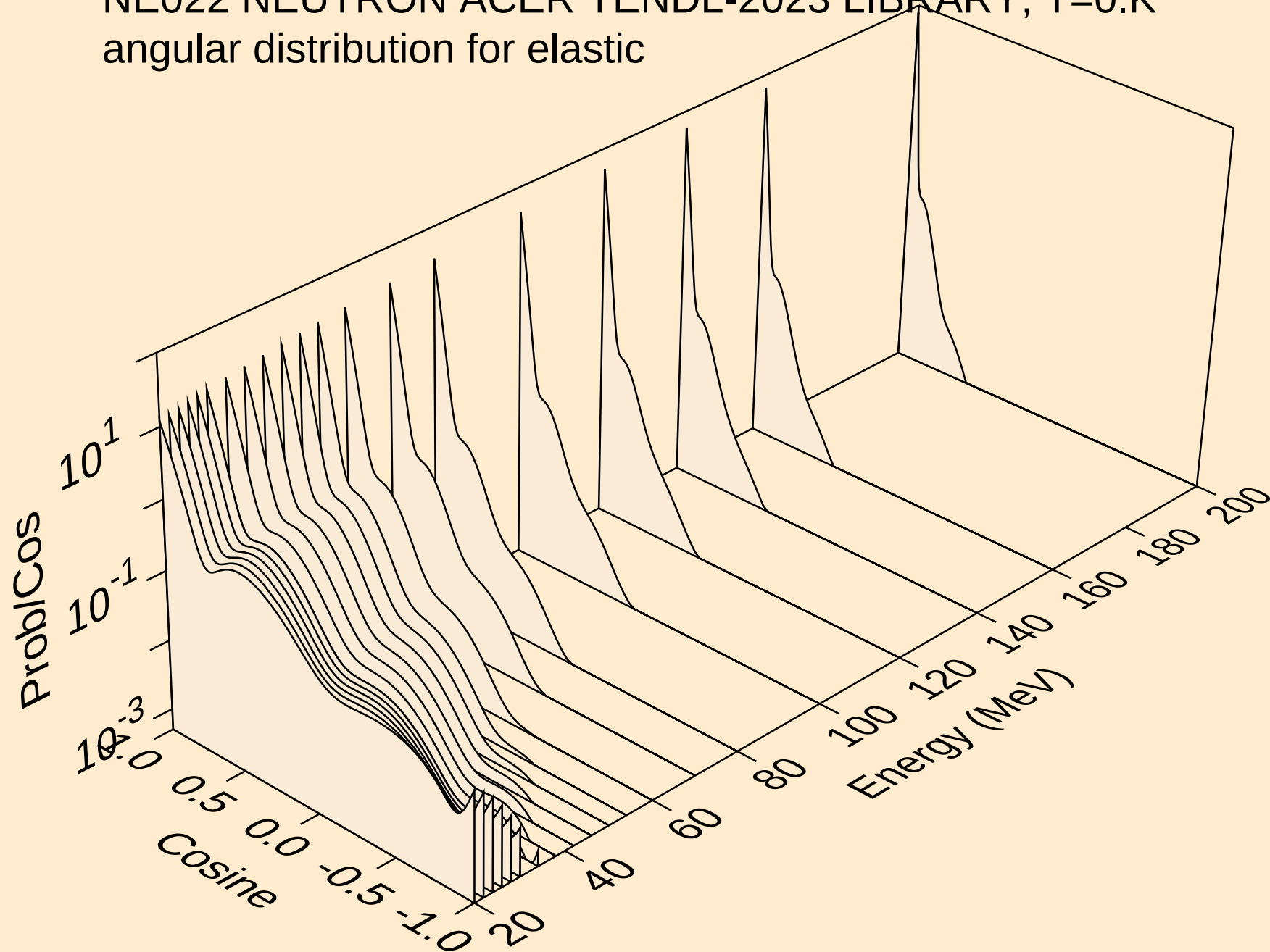
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Threshold reactions



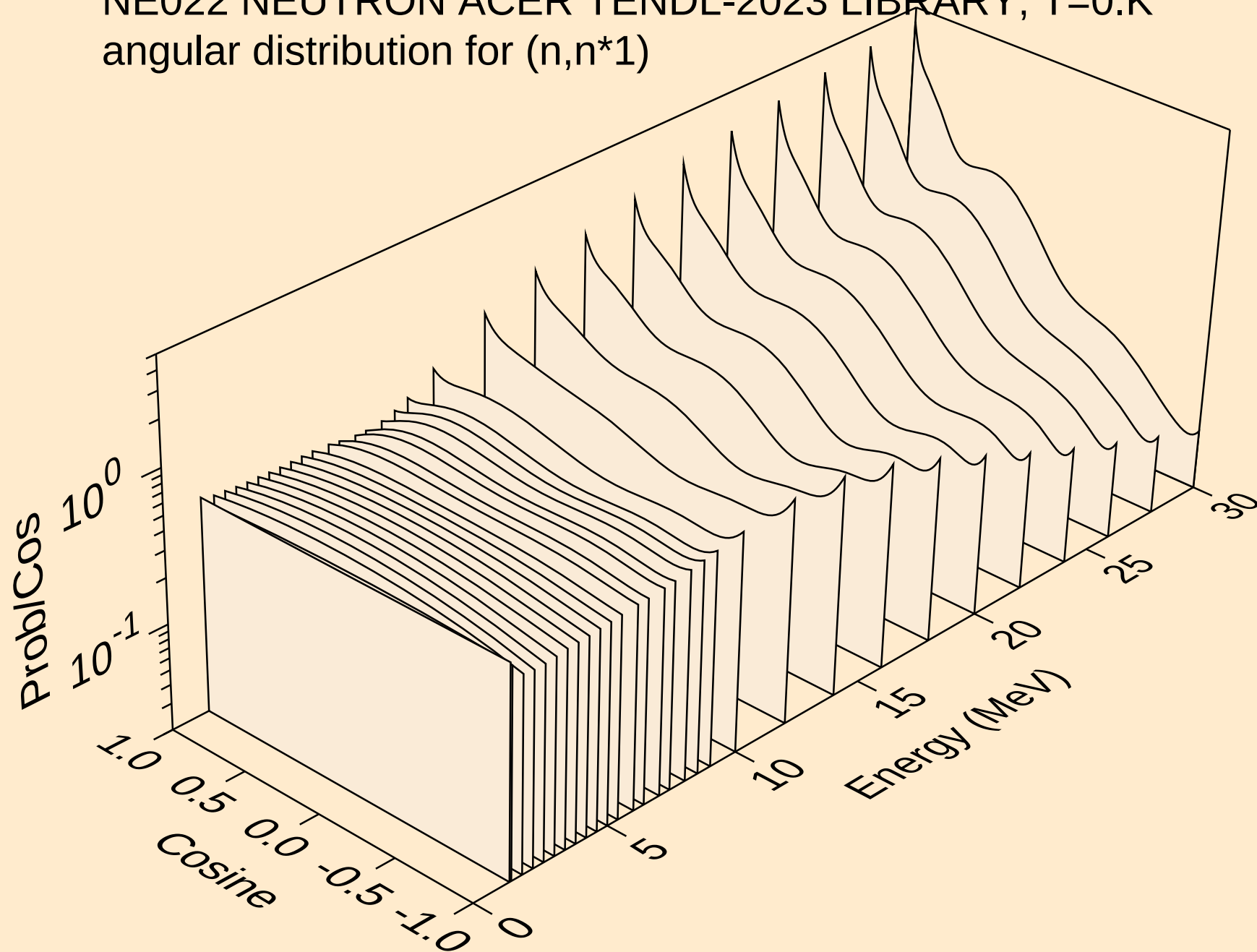
NE022 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



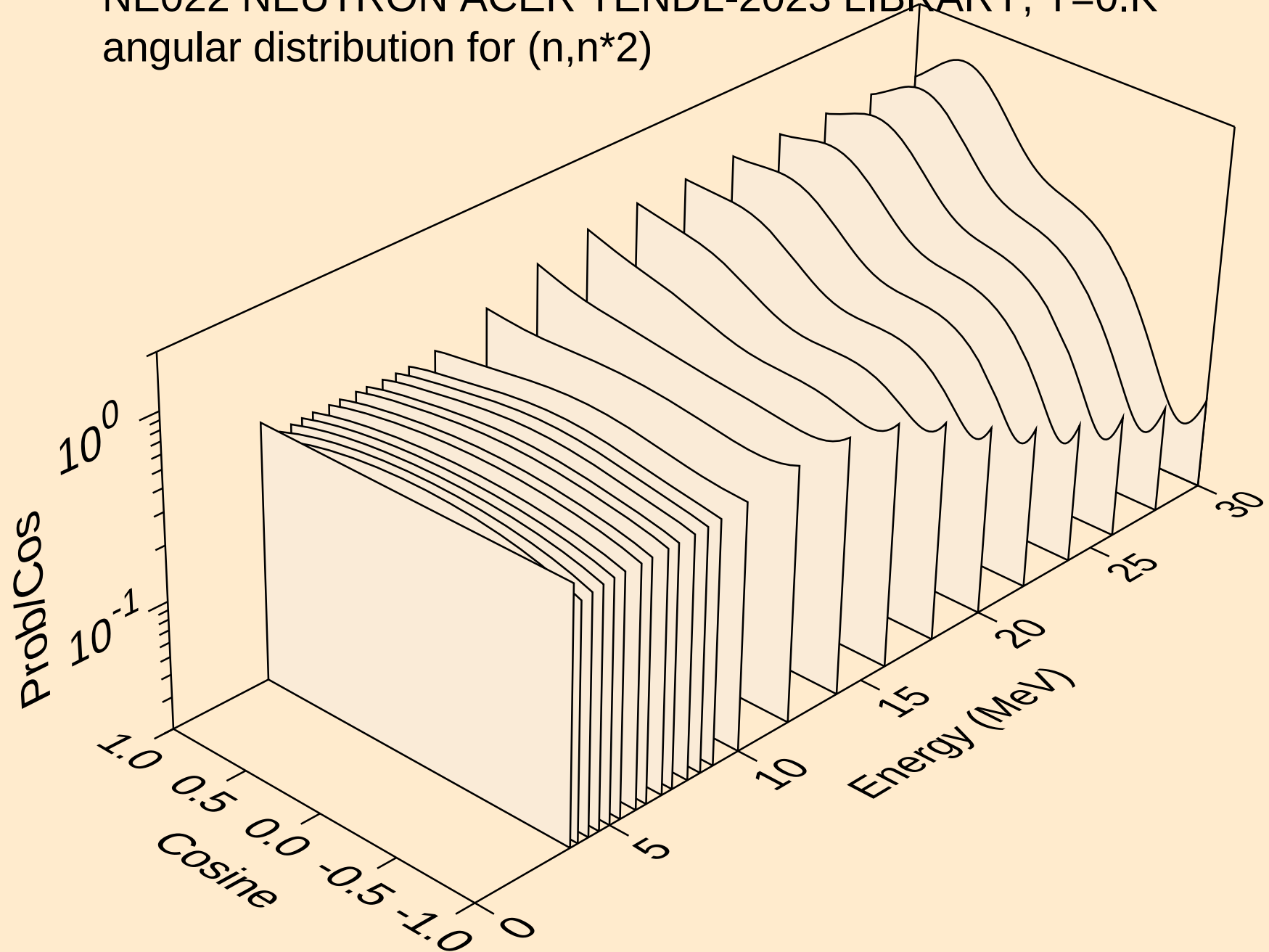
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angular distribution for elastic



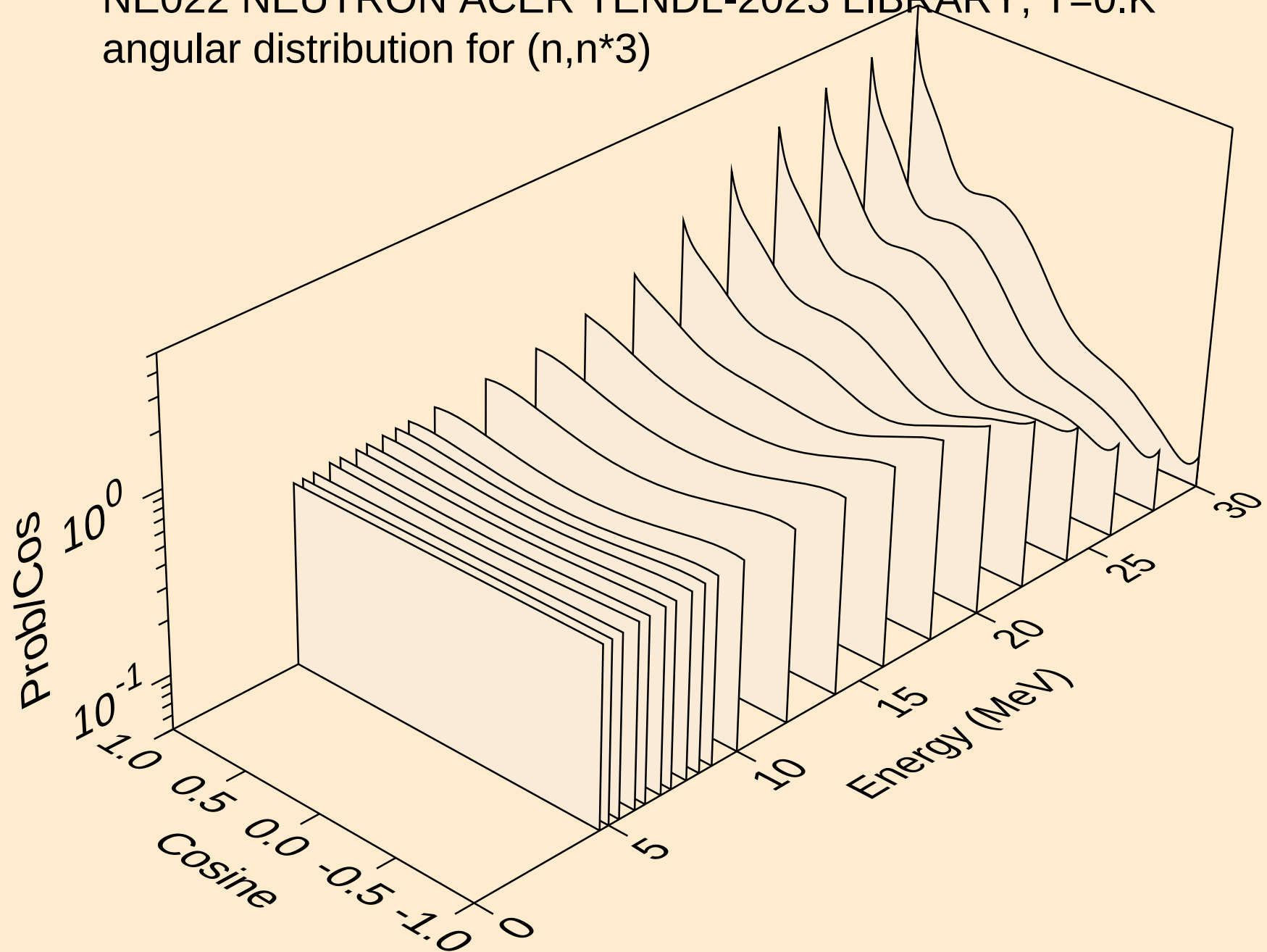
NE022 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*1)



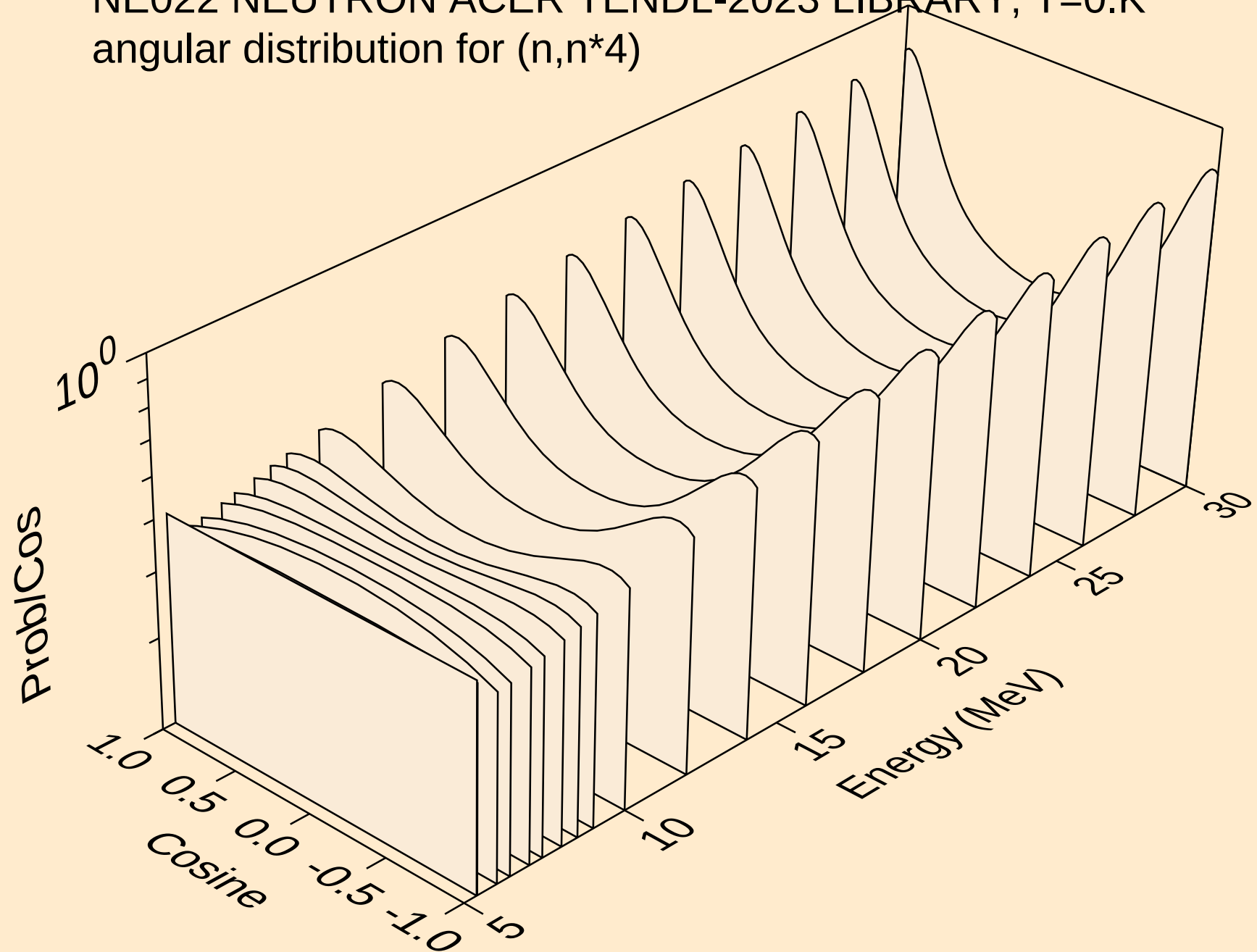
NE022 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*)



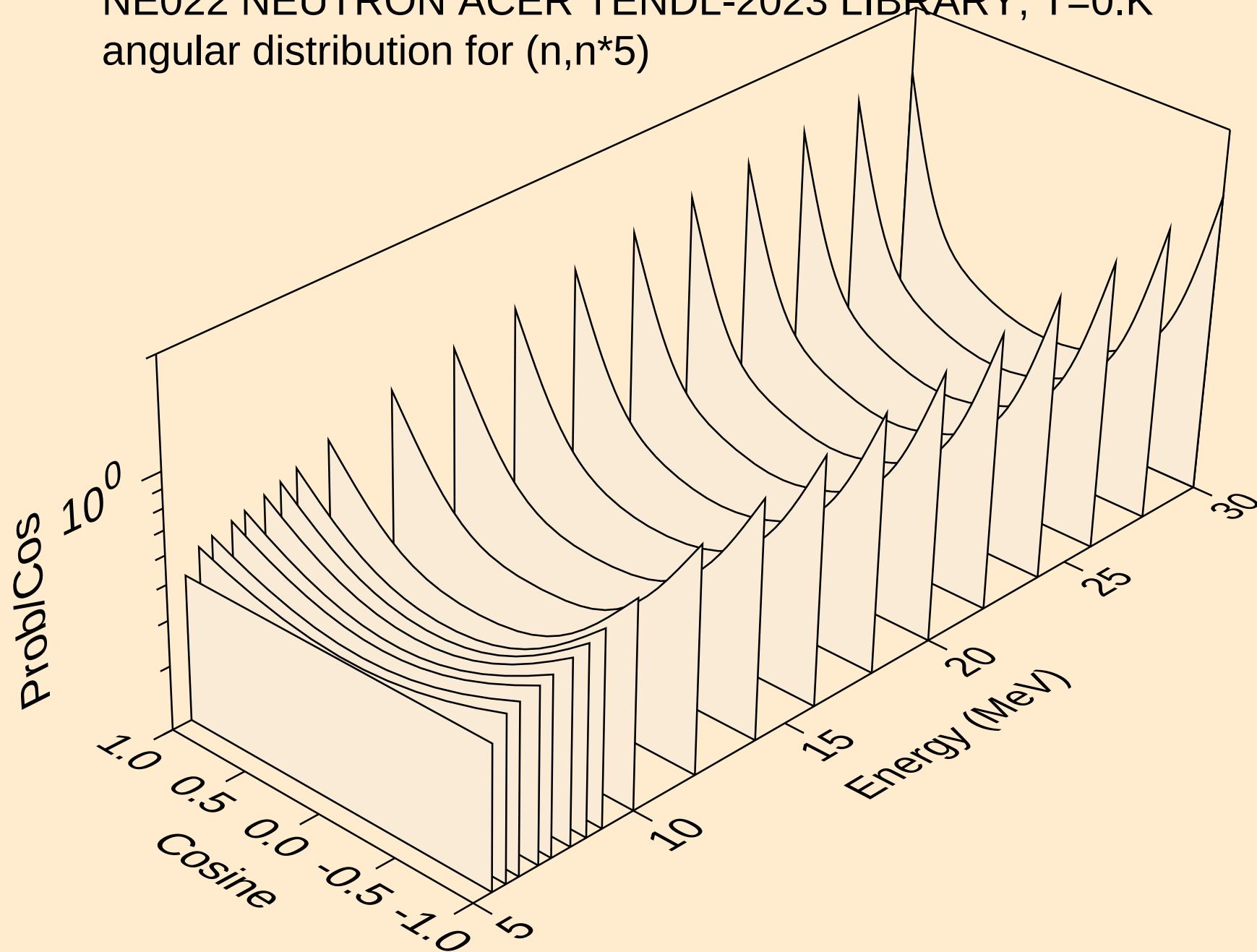
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angular distribution for (n,n\*3)



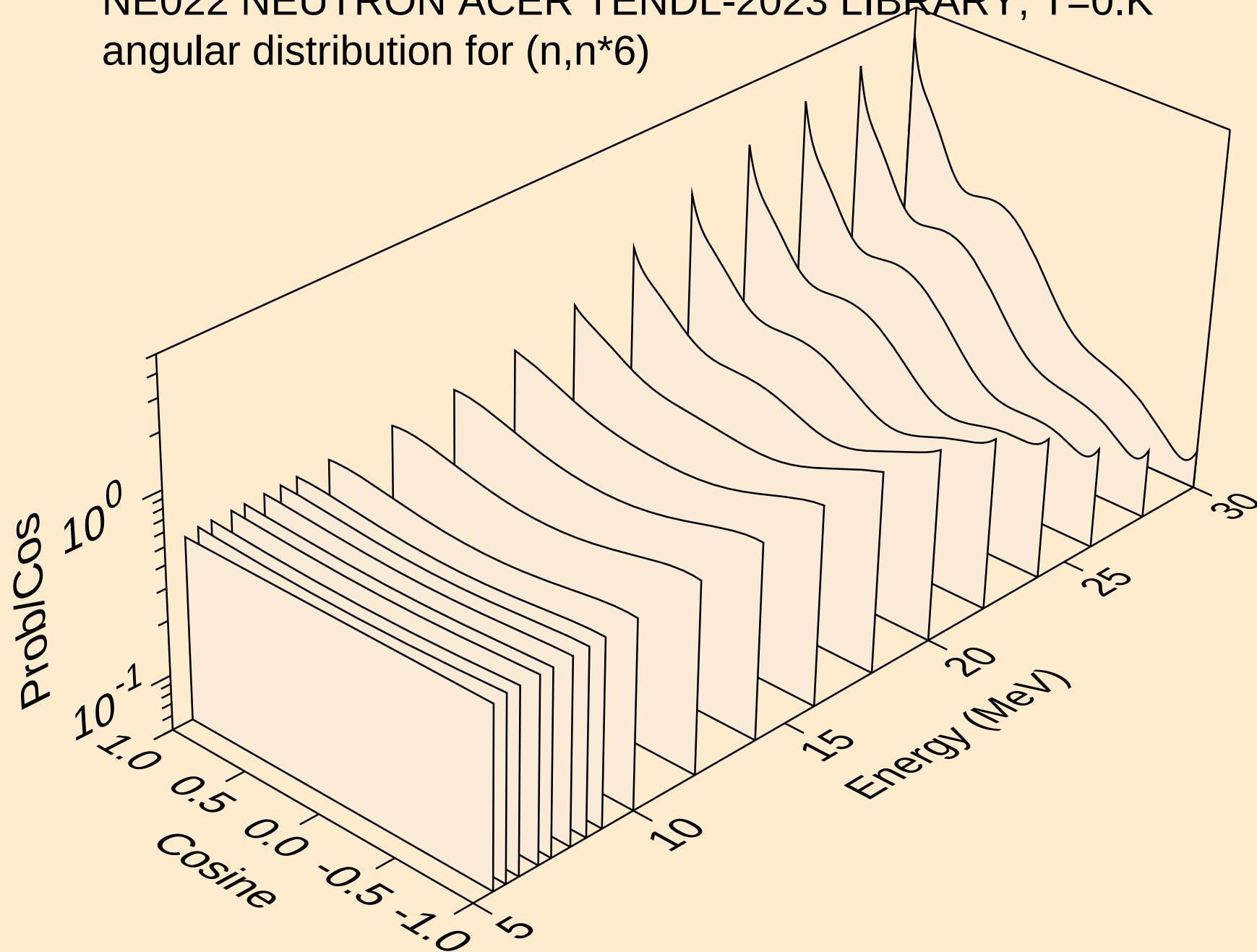
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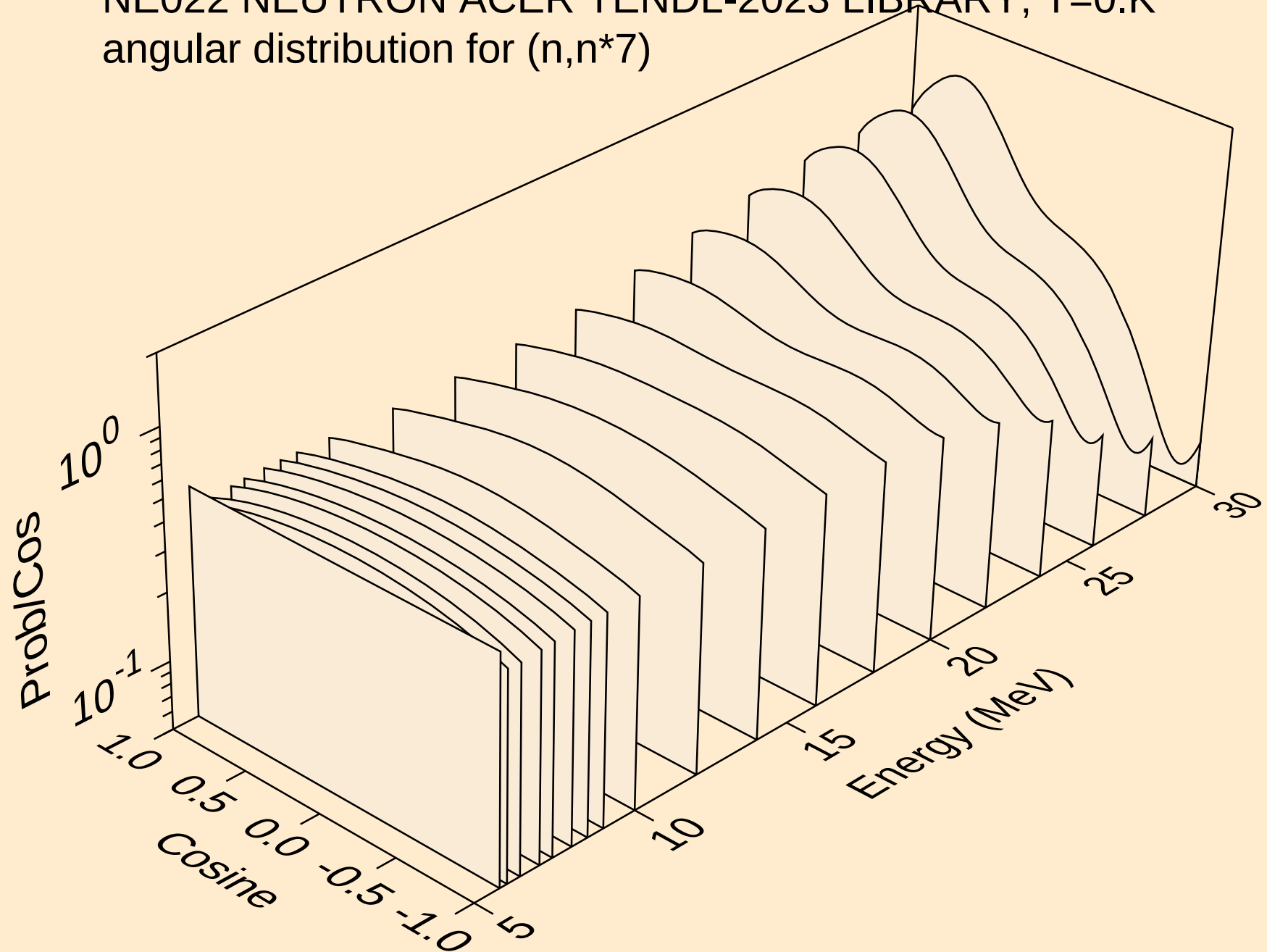
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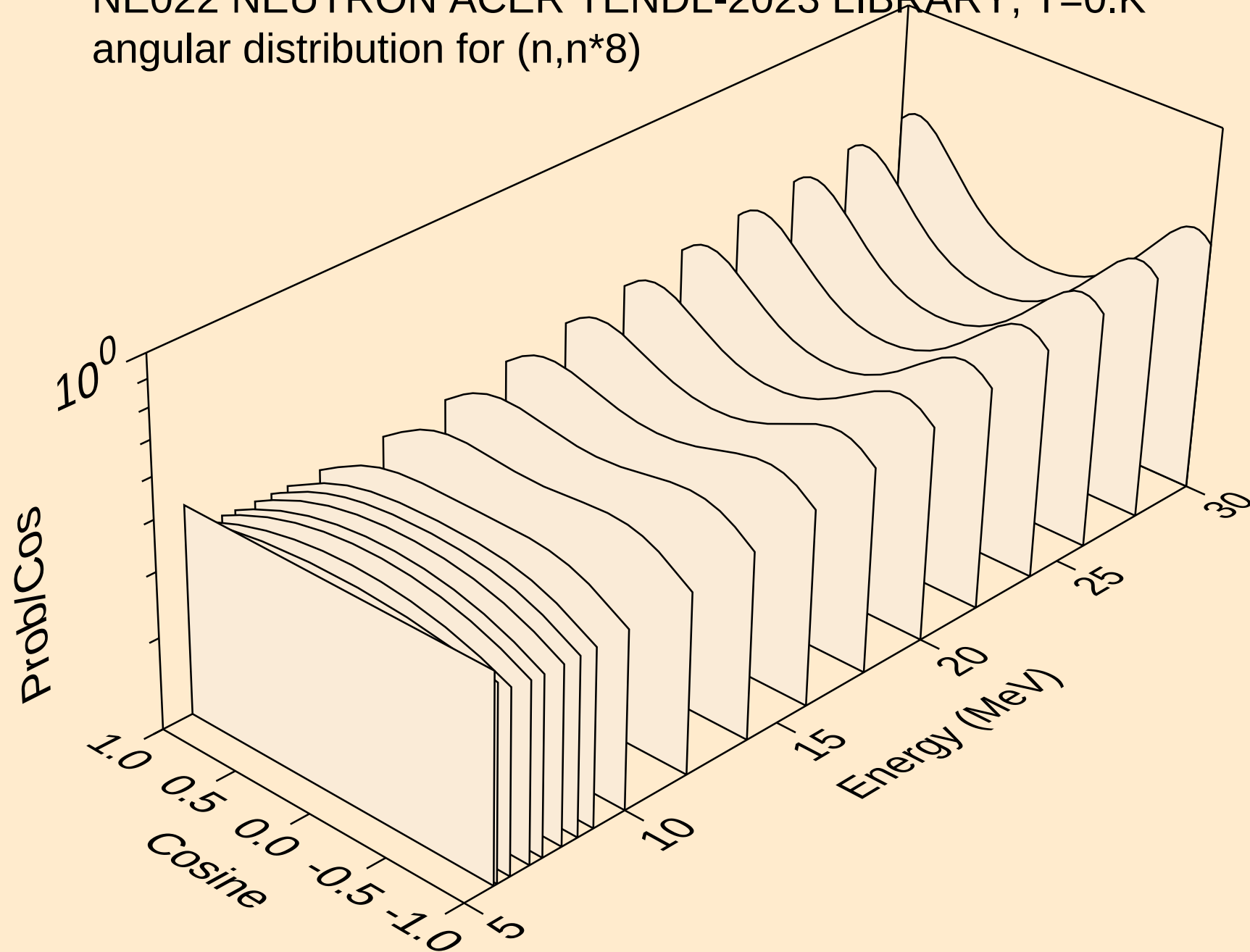
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angular distribution for (n,n\*6)



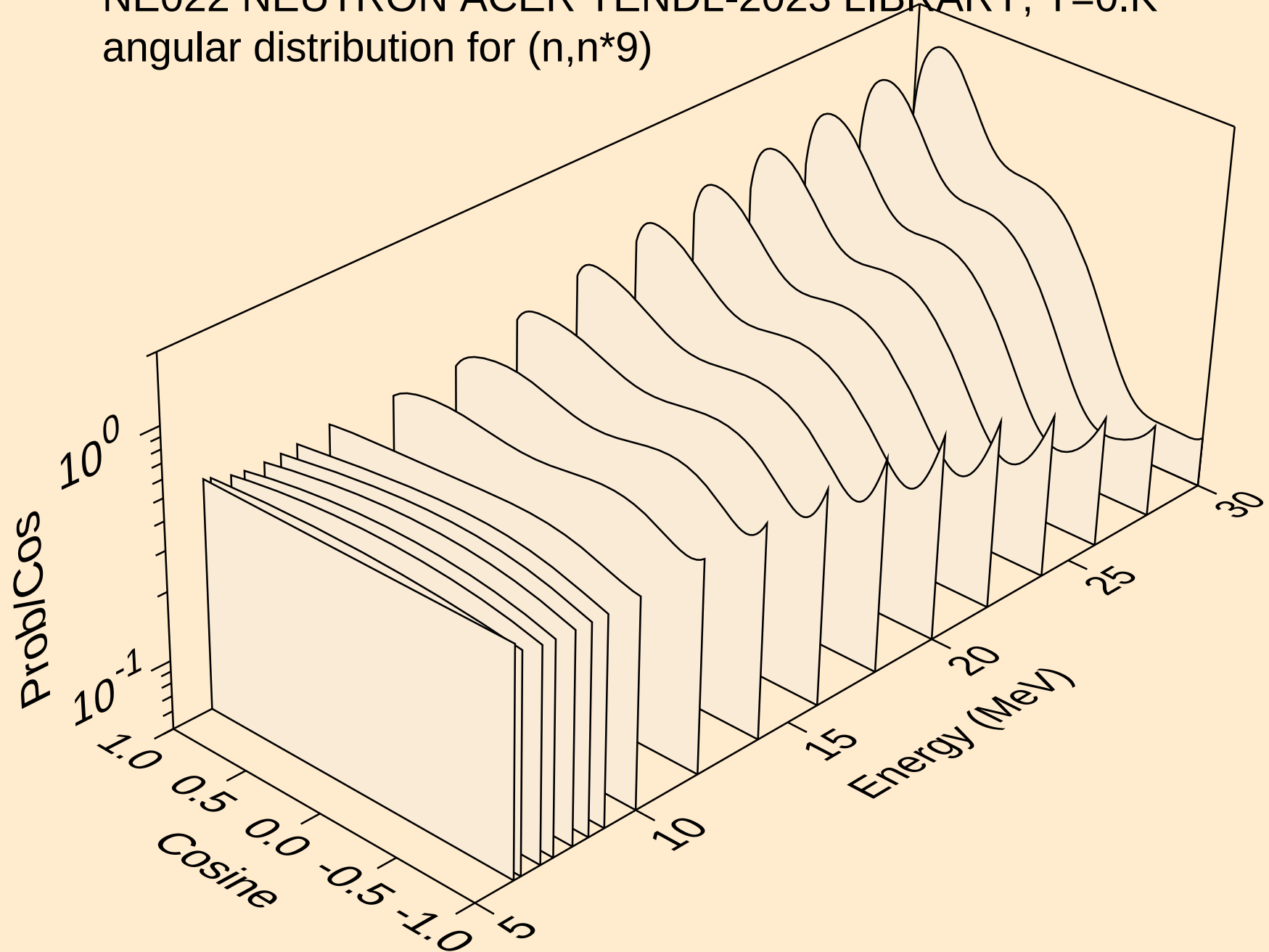
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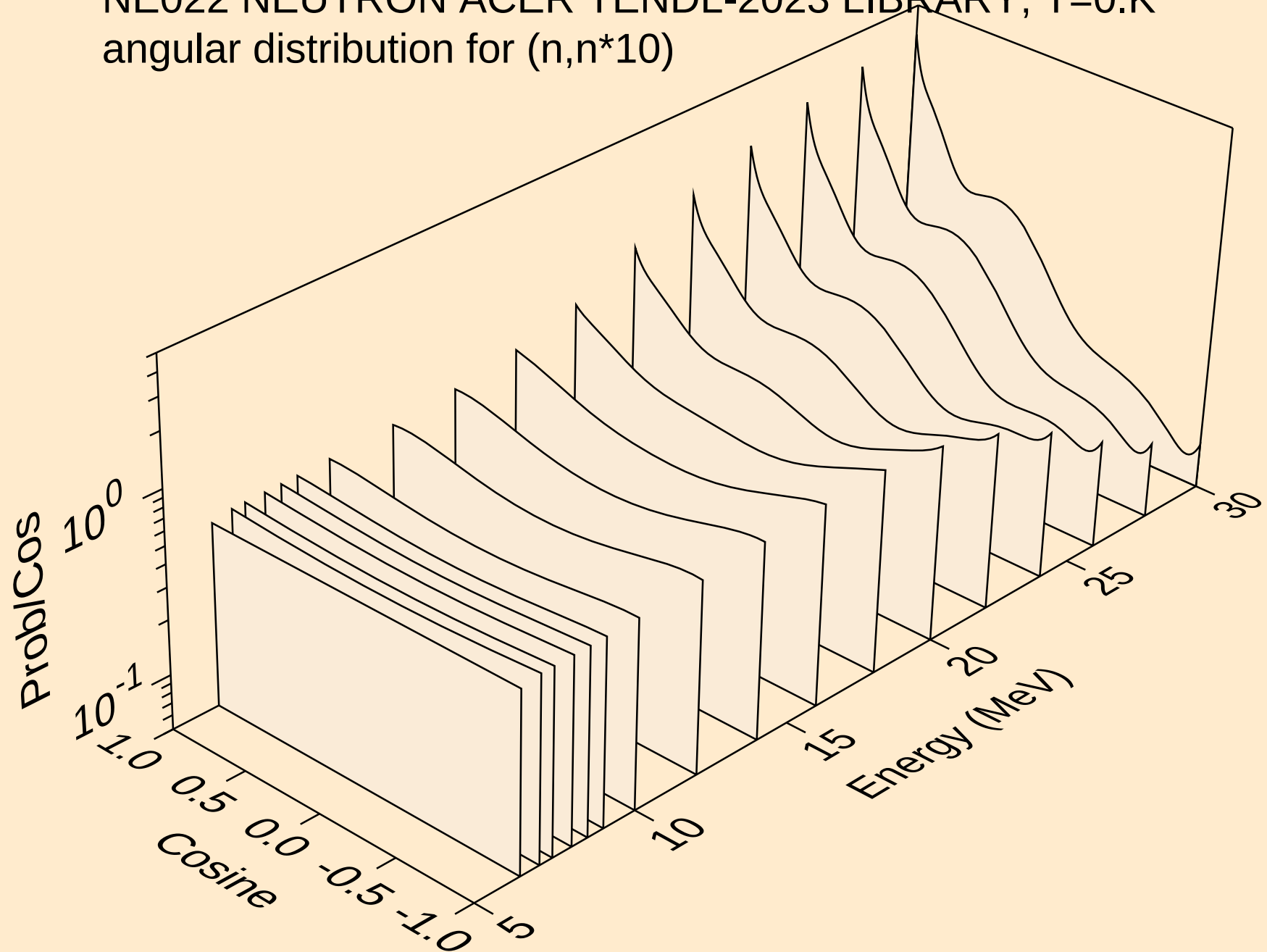
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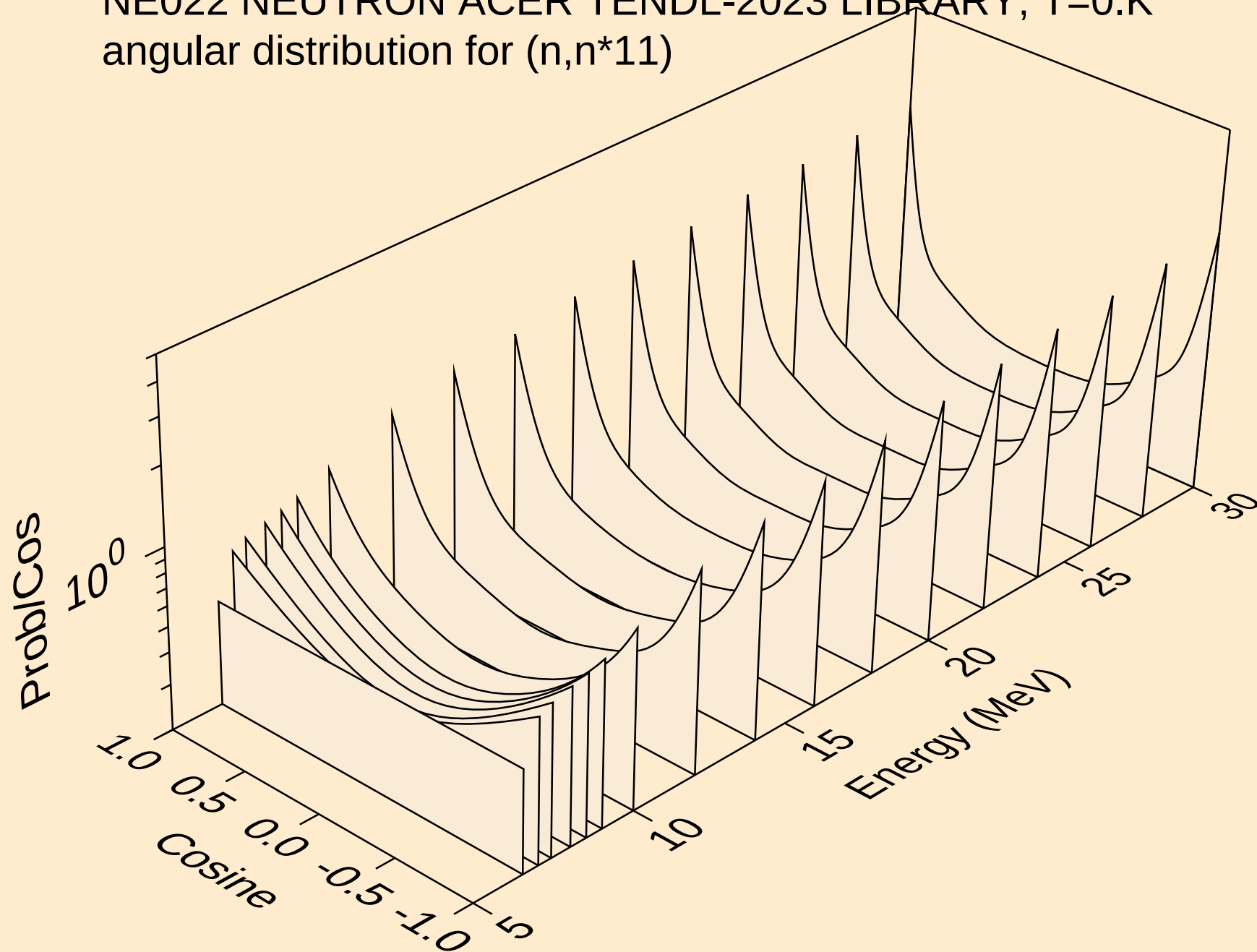
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angular distribution for (n,n\*9)



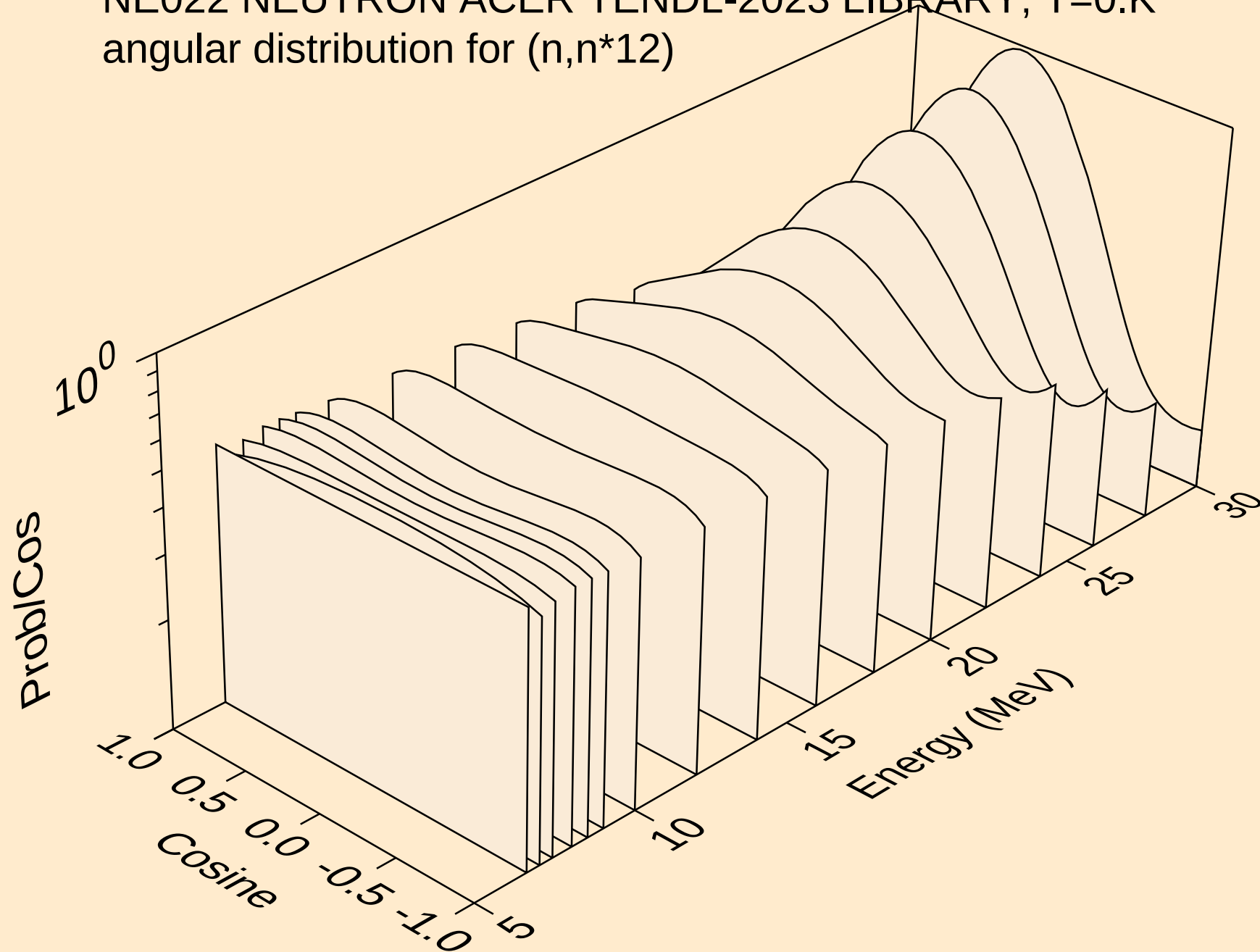
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angular distribution for (n,n\*10)



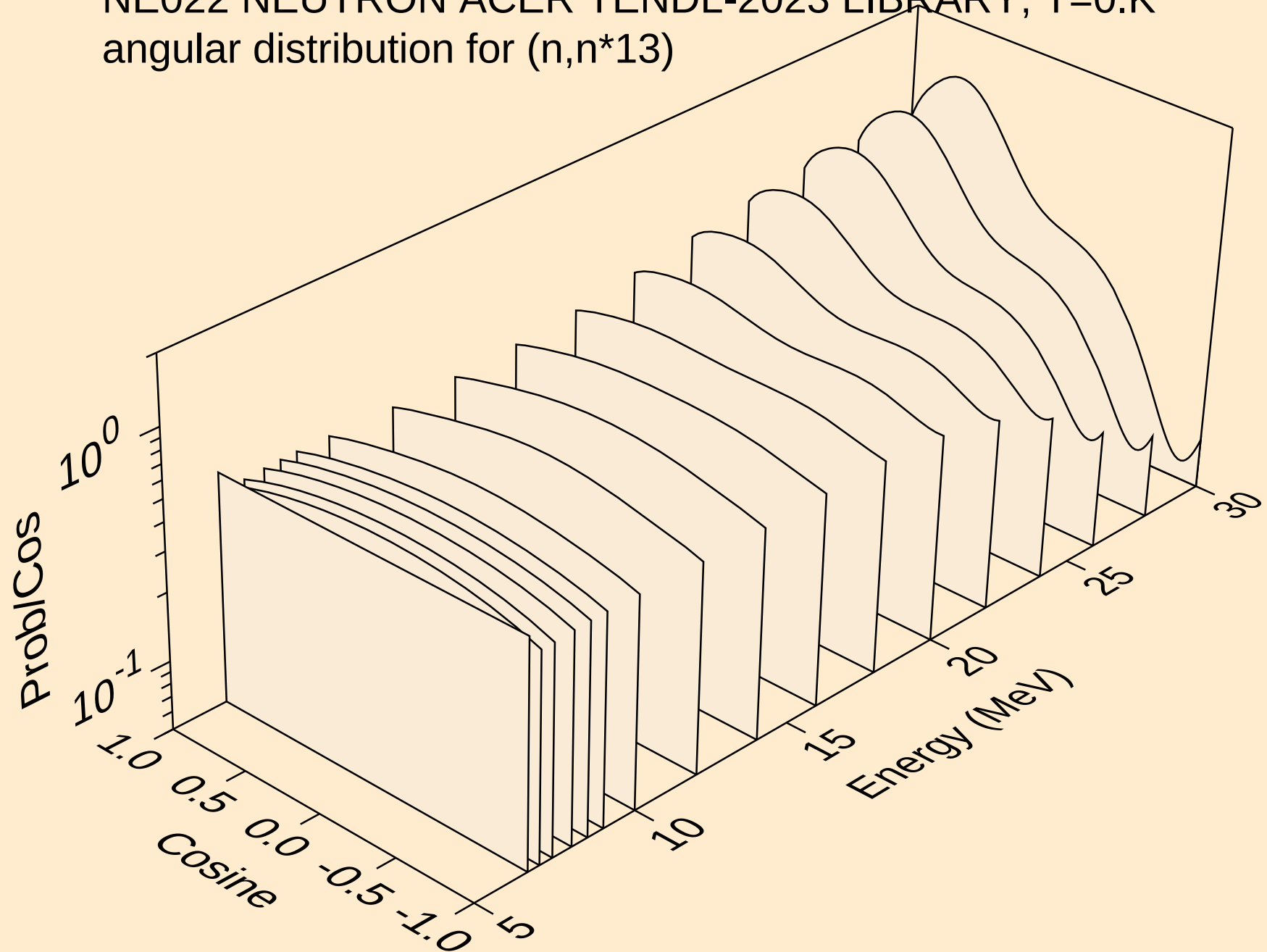
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angular distribution for (n,n\*11)



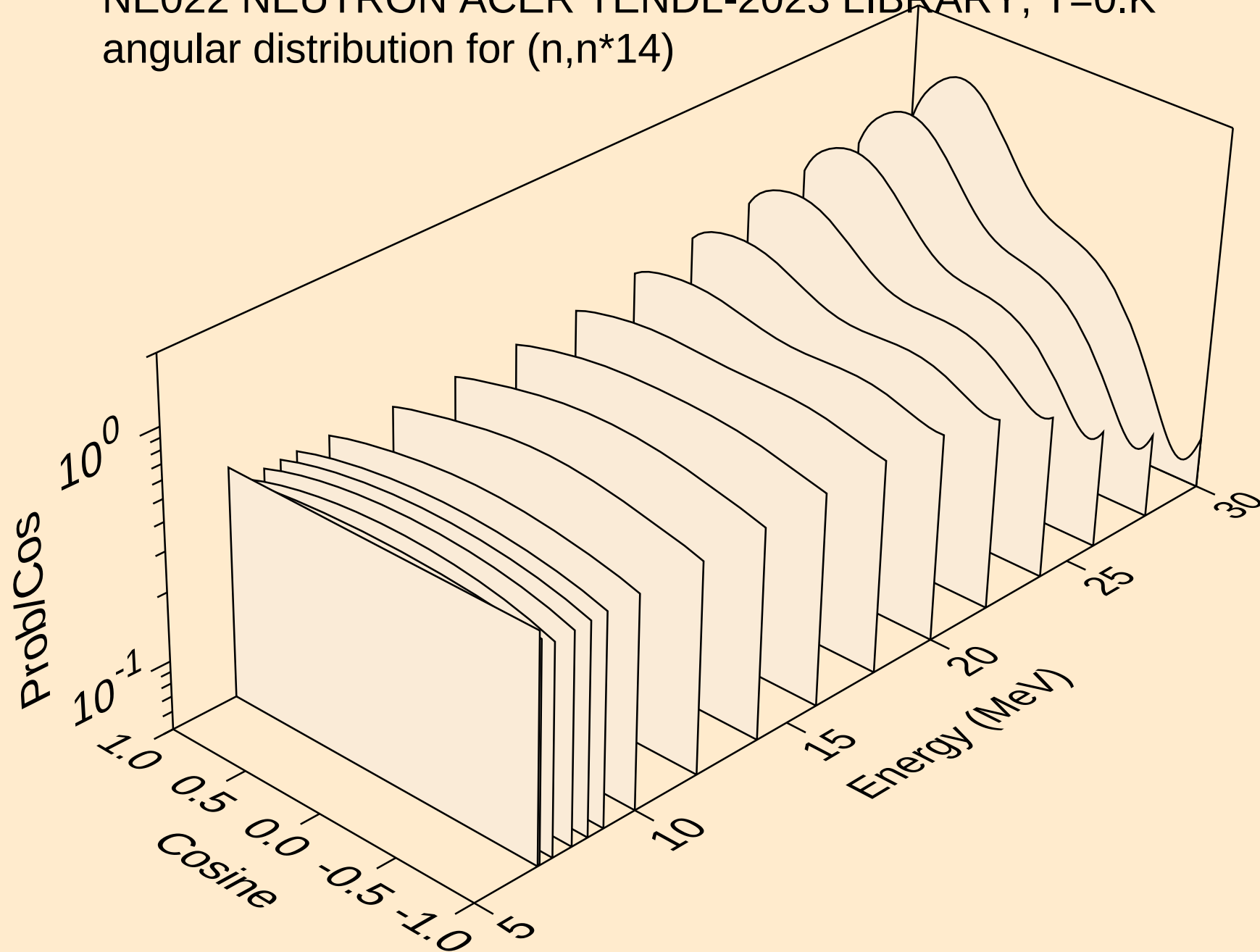
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angular distribution for (n,n\*12)



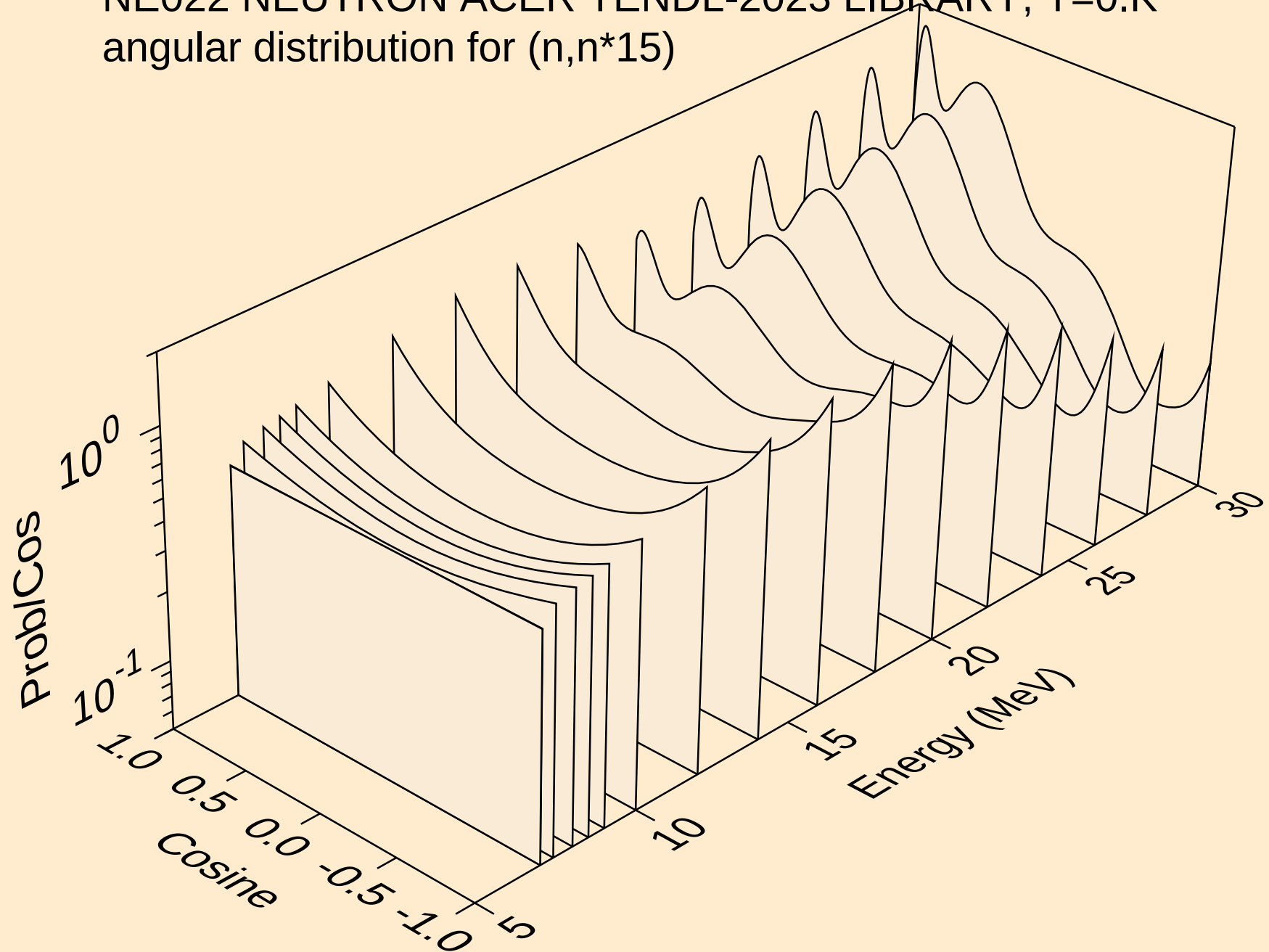
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angular distribution for (n,n\*13)



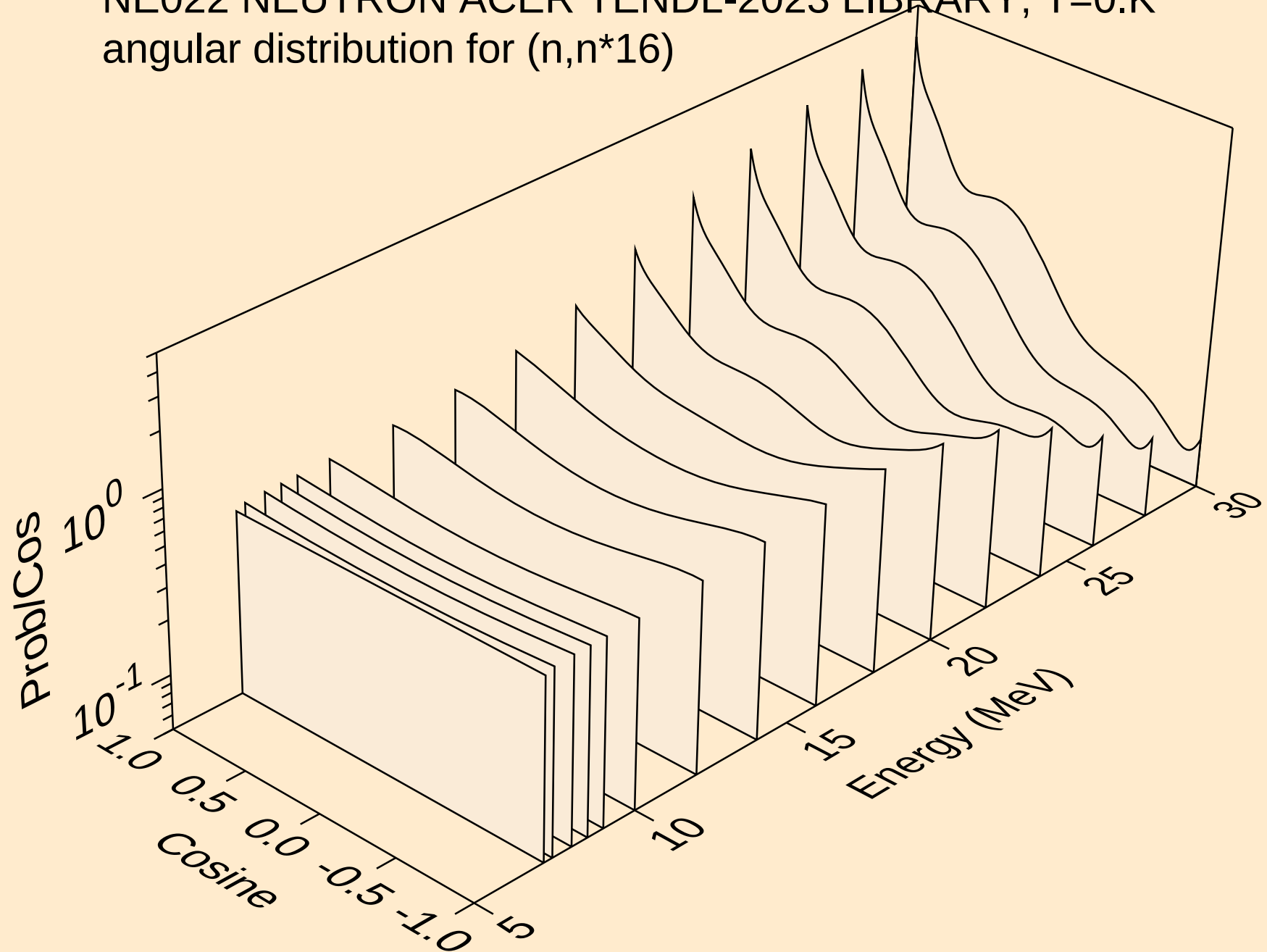
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angular distribution for (n,n\*14)



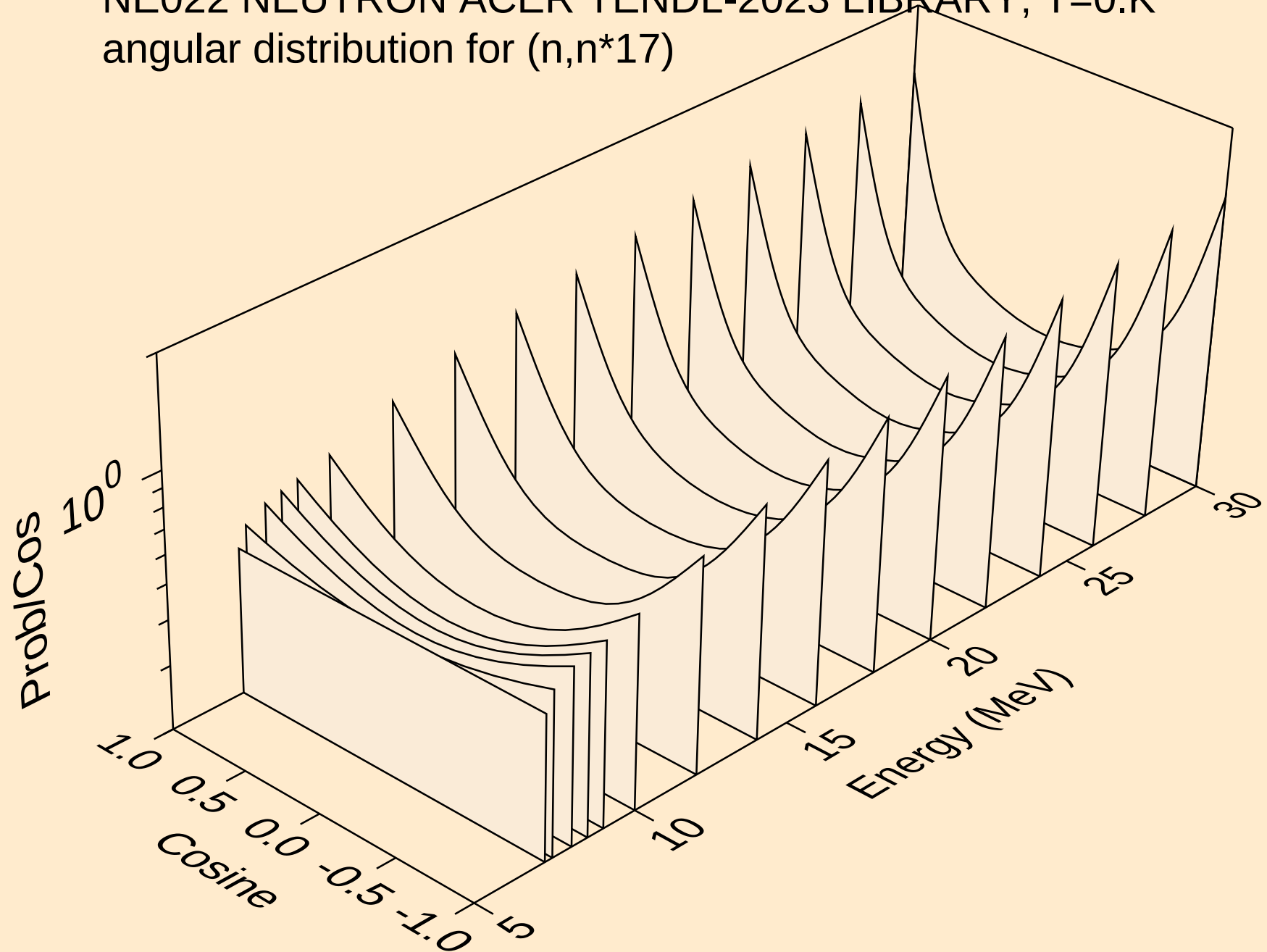
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angular distribution for (n,n\*15)



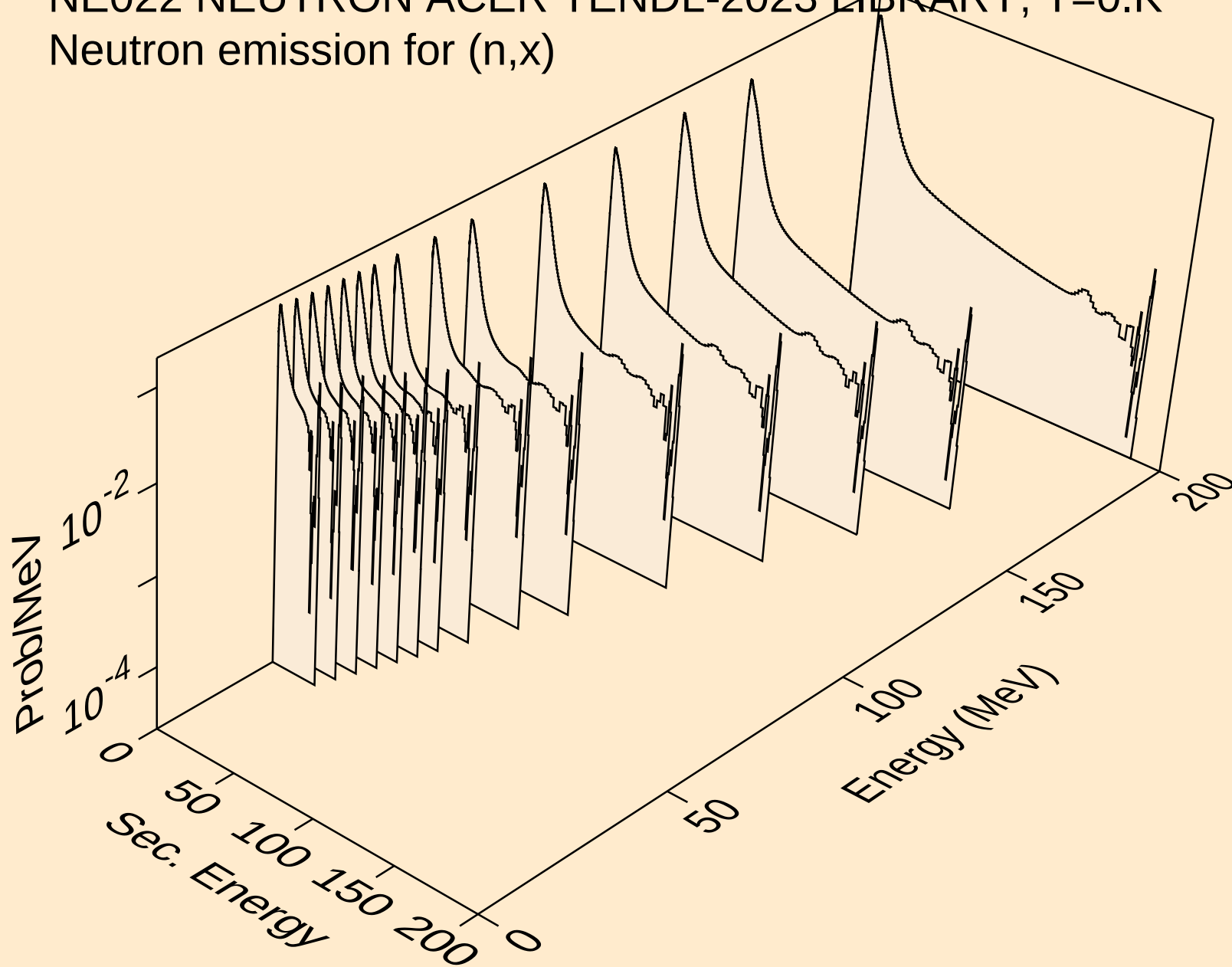
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angular distribution for (n,n\*16)



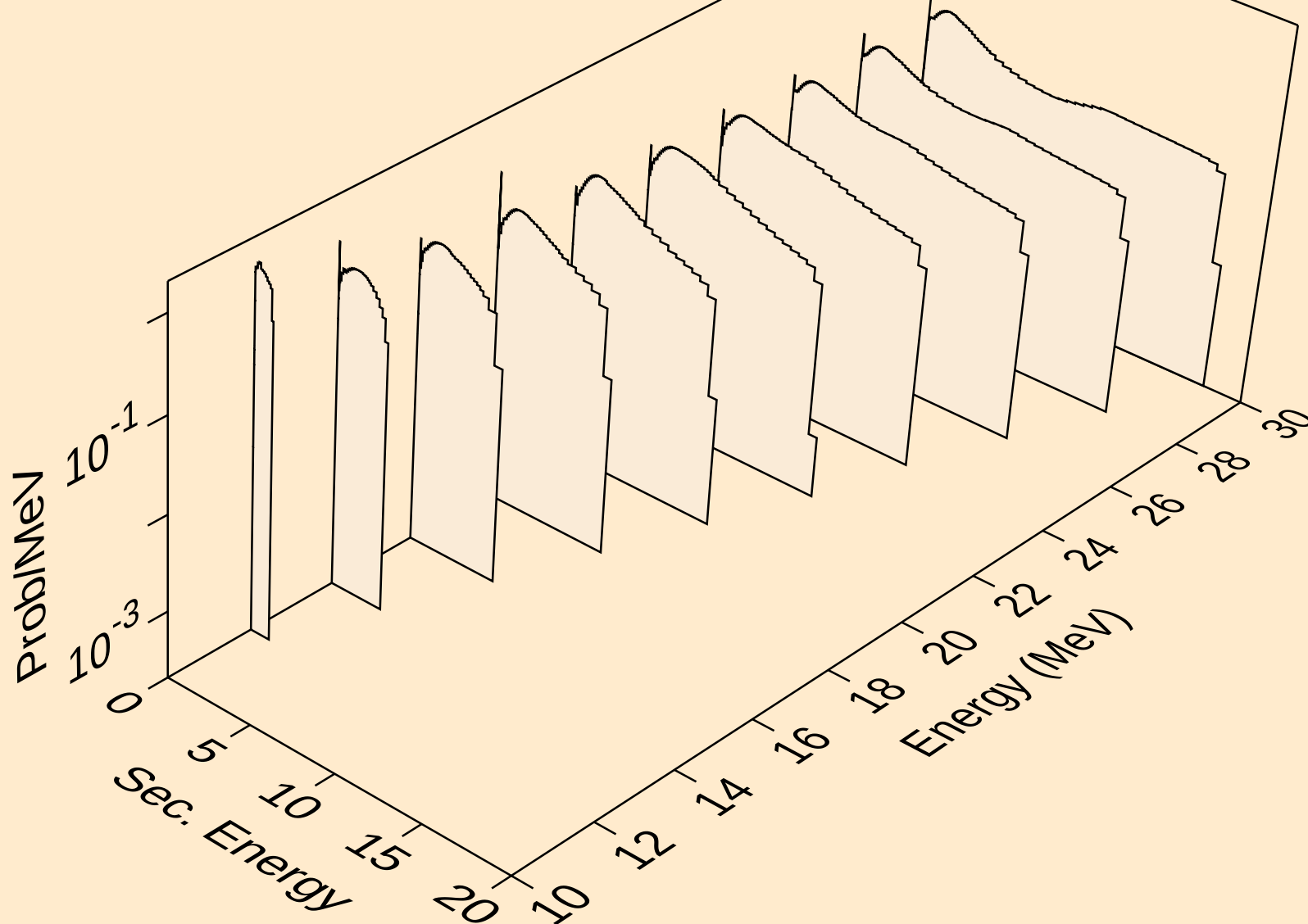
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angular distribution for (n,n\*17)



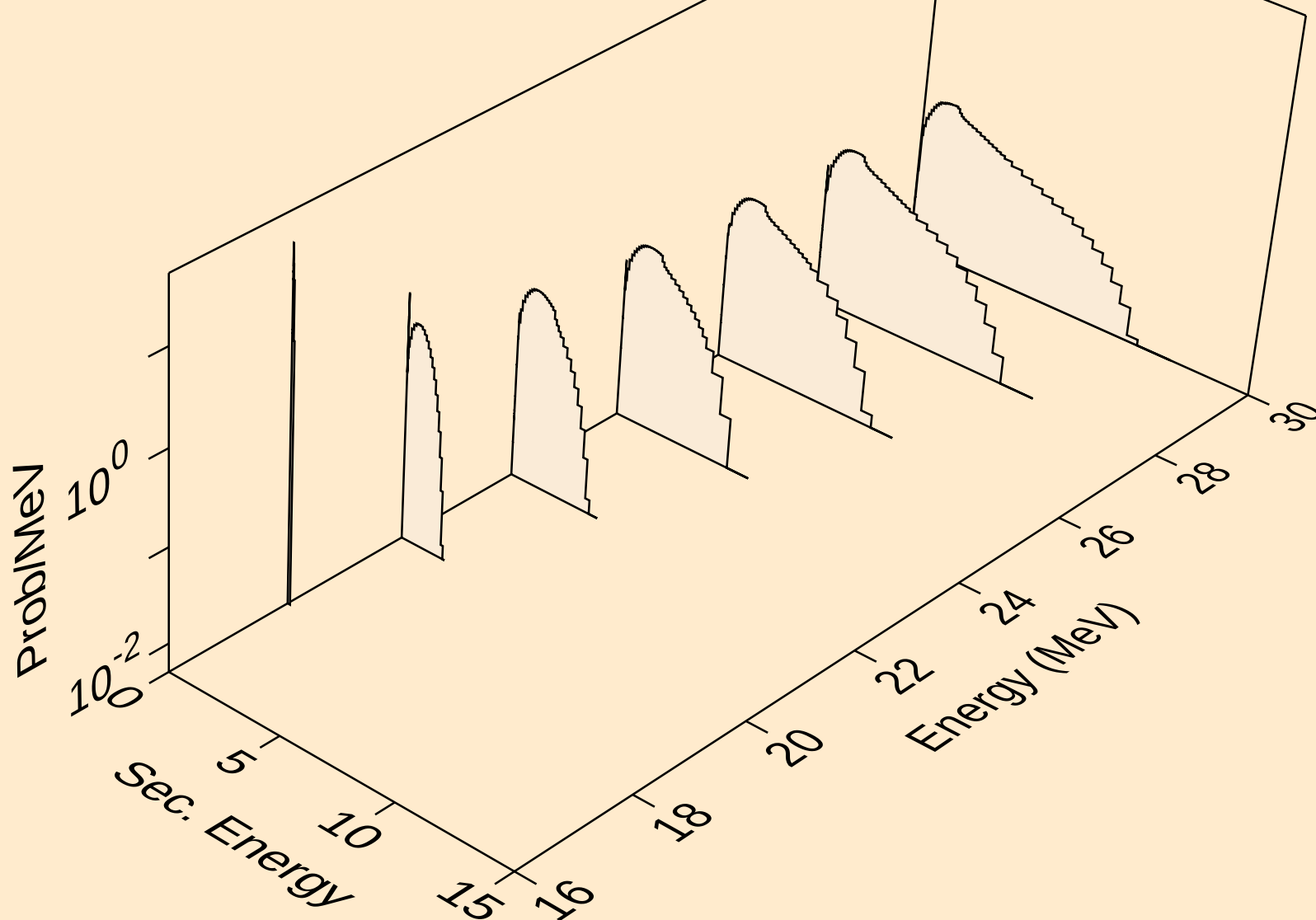
NE022 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,x)



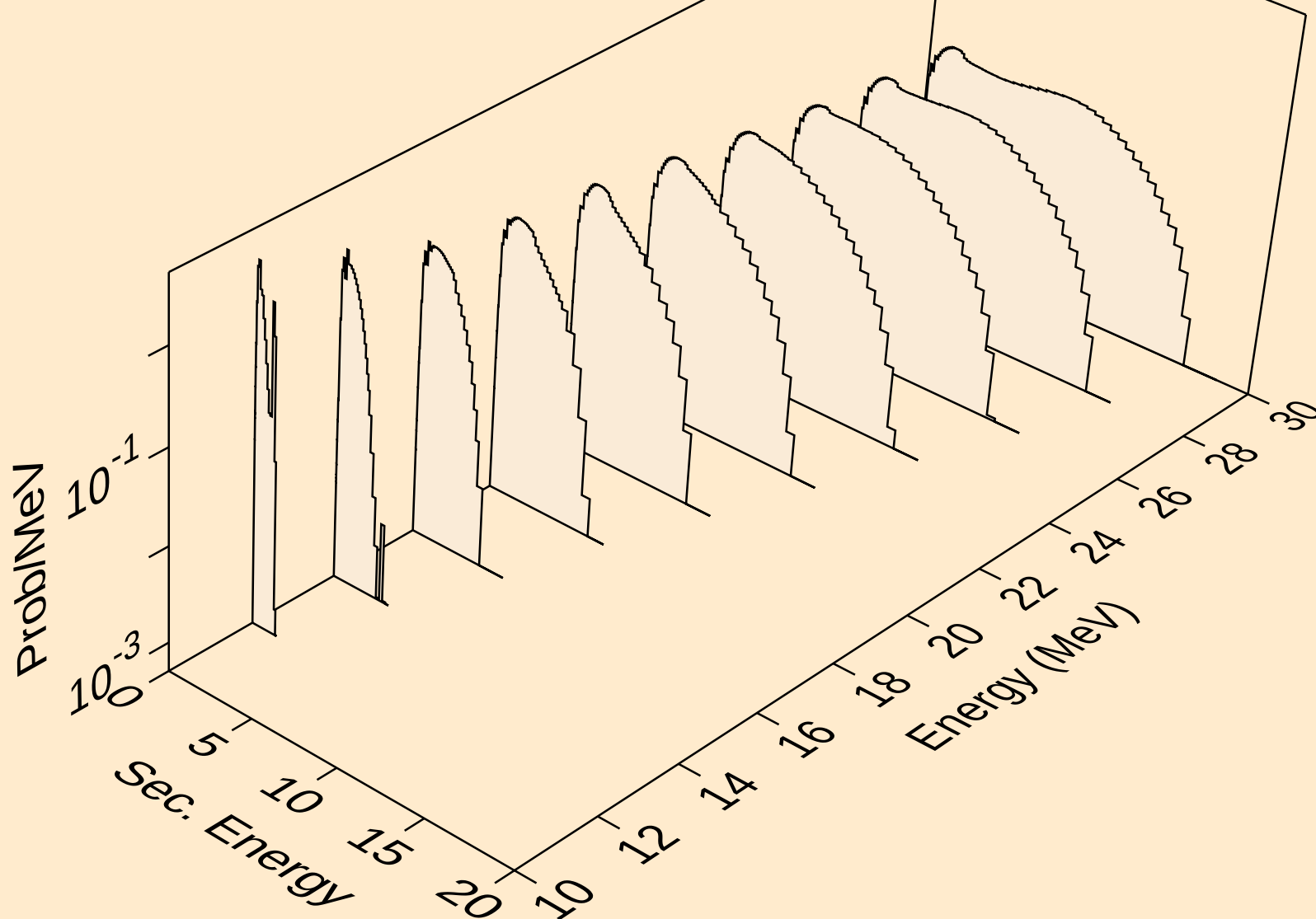
NE022 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2n)



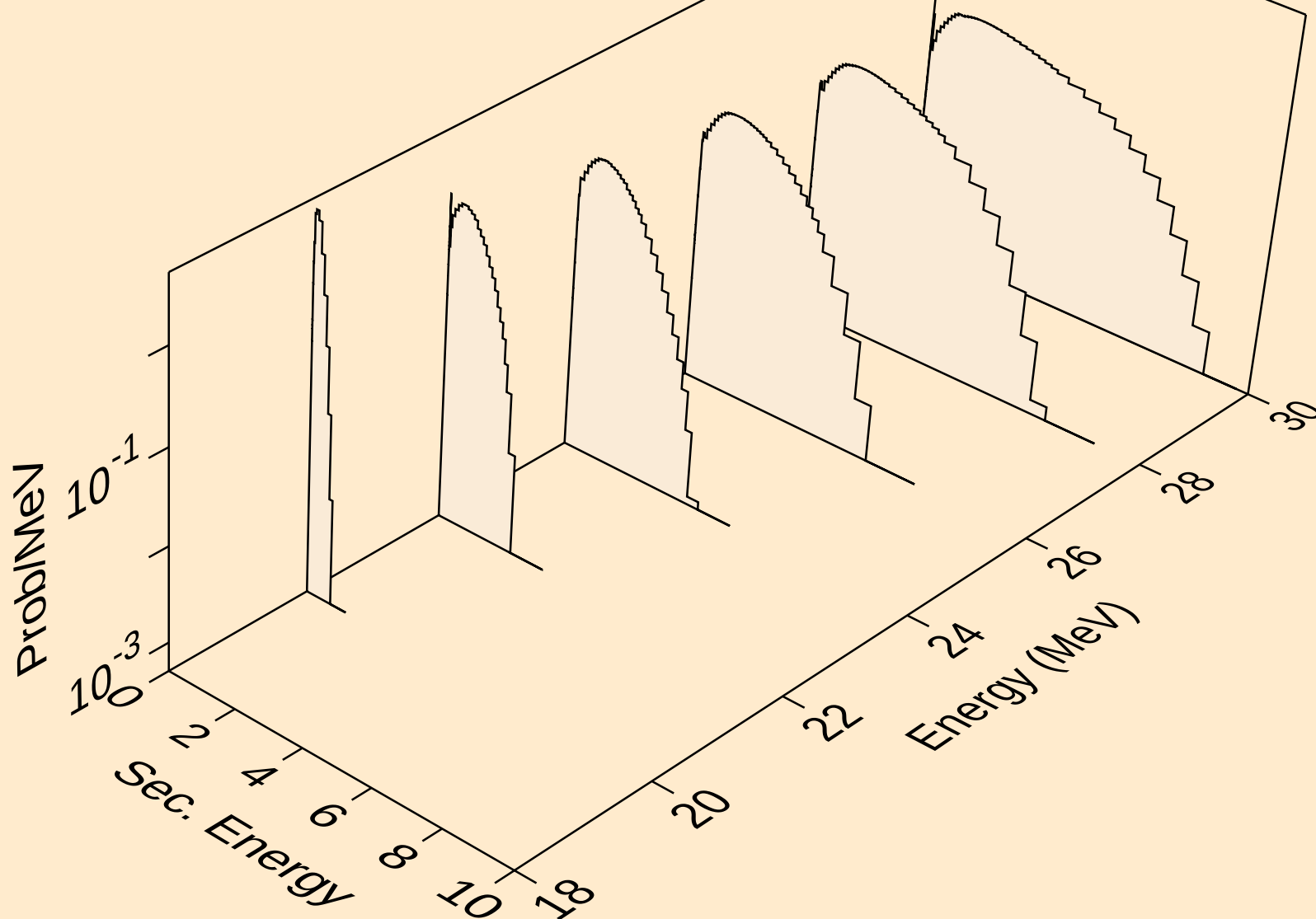
NE022 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,3n)



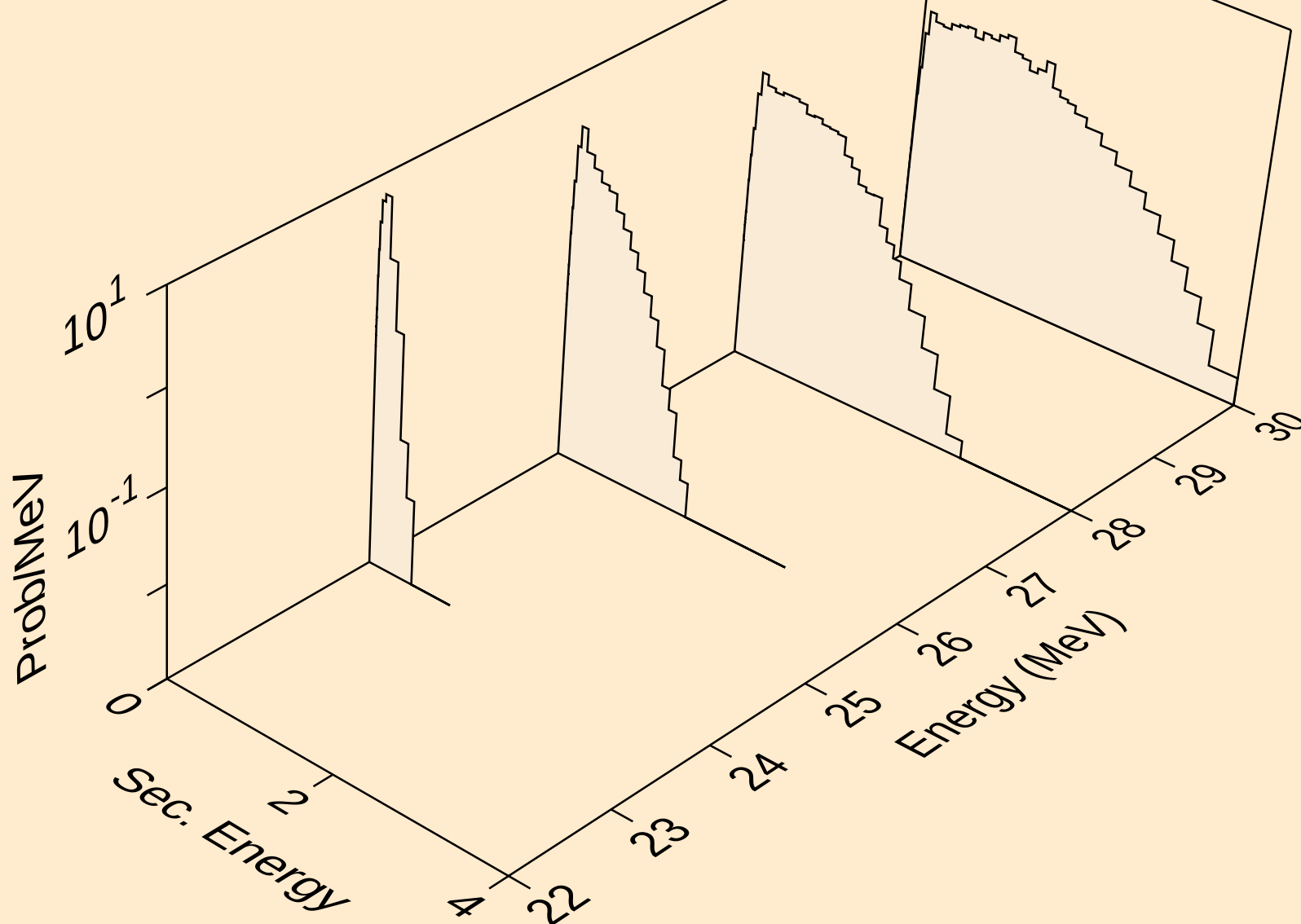
NE022 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)a



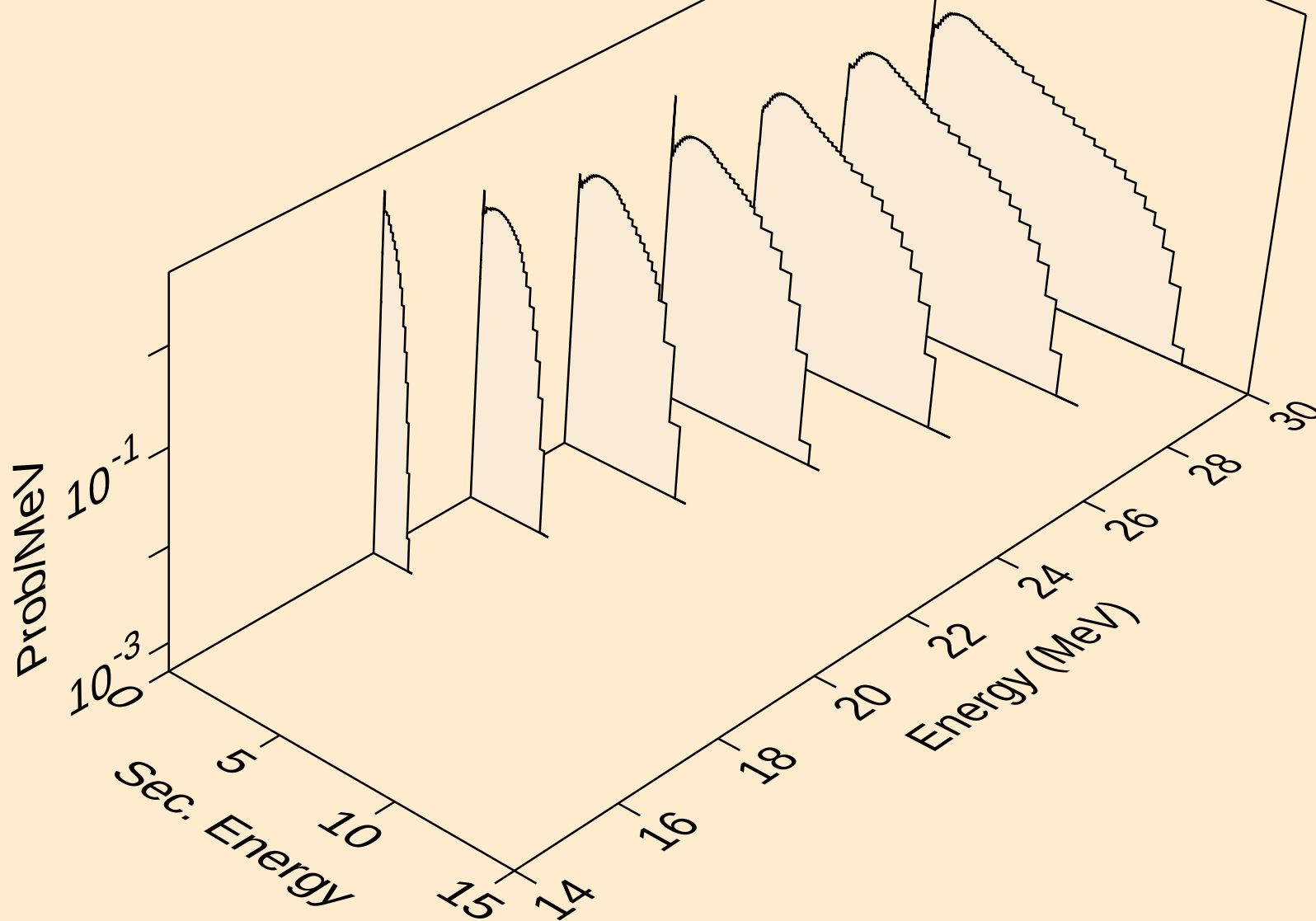
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Neutron emission for (n,2n)a



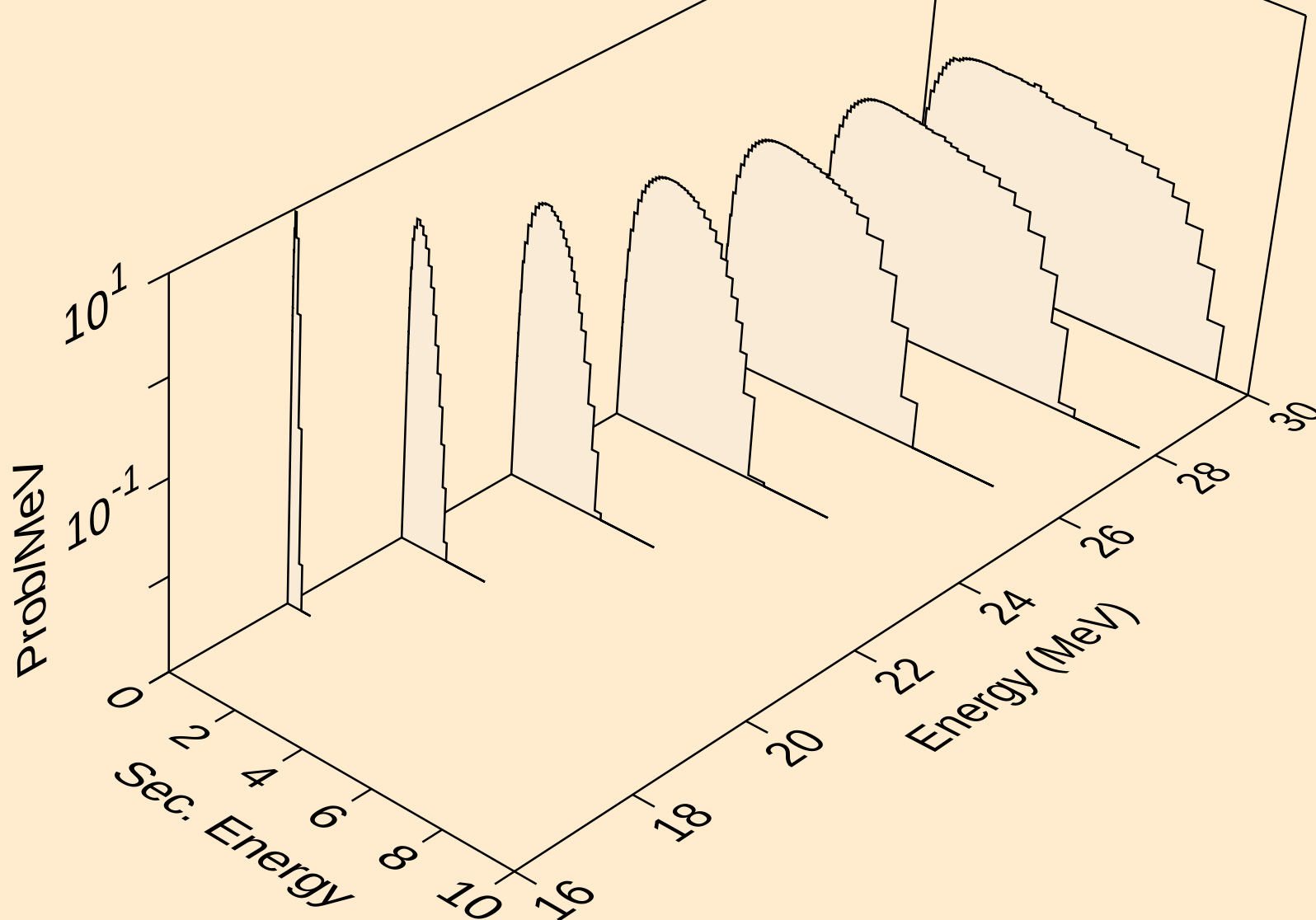
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Neutron emission for (n,3n)a



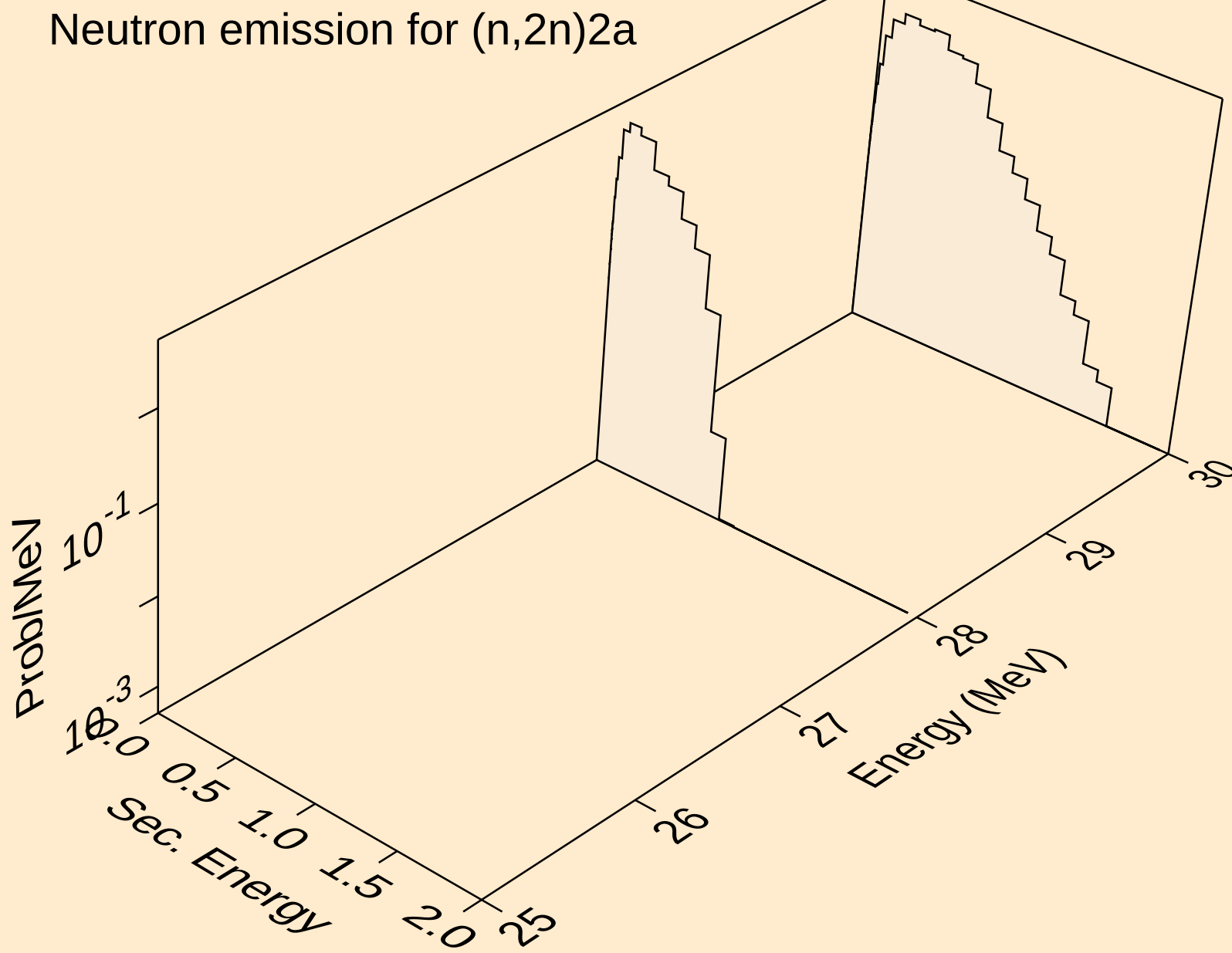
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Neutron emission for (n,n\*)p



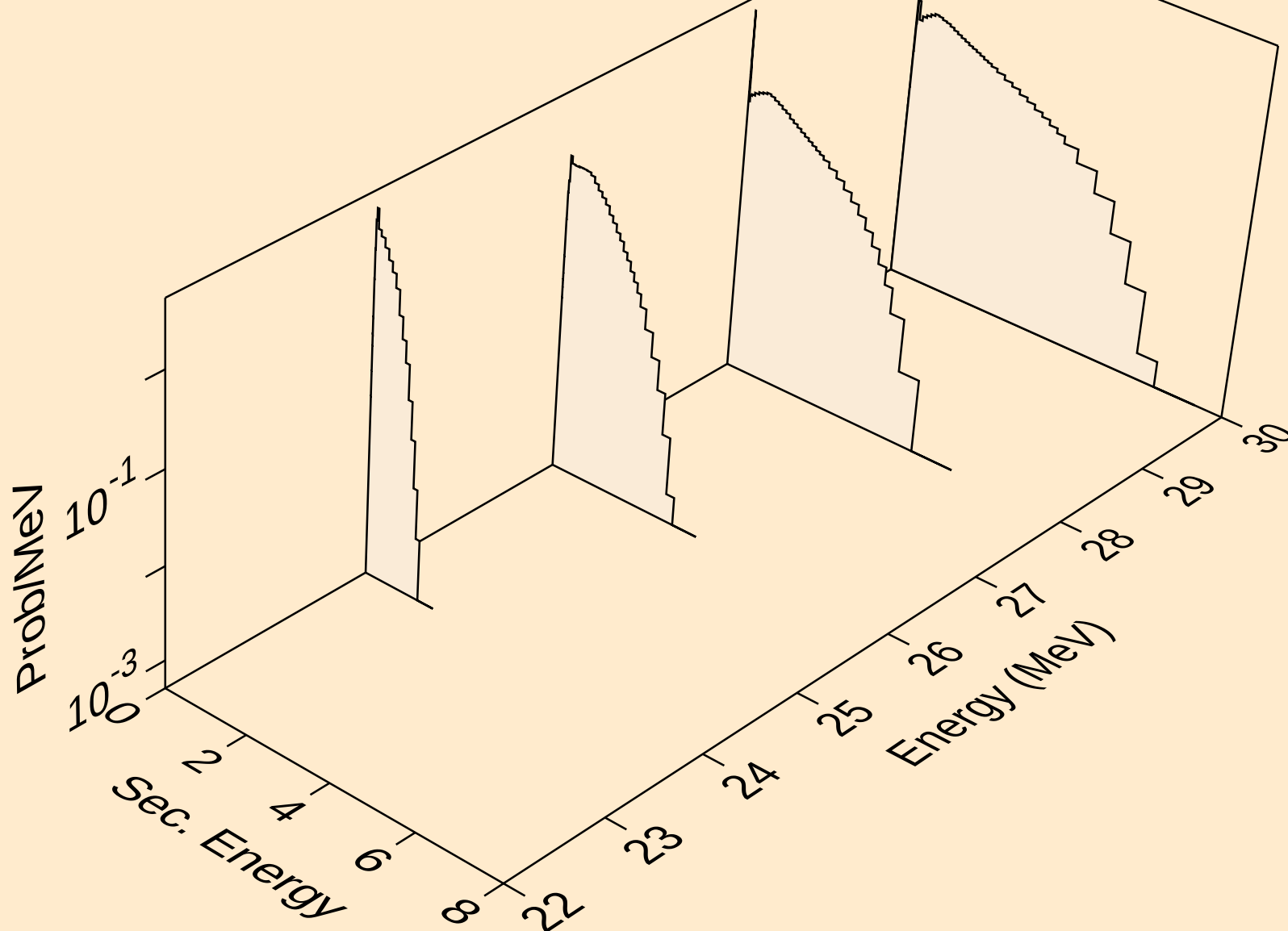
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Neutron emission for (n,n\*)2a



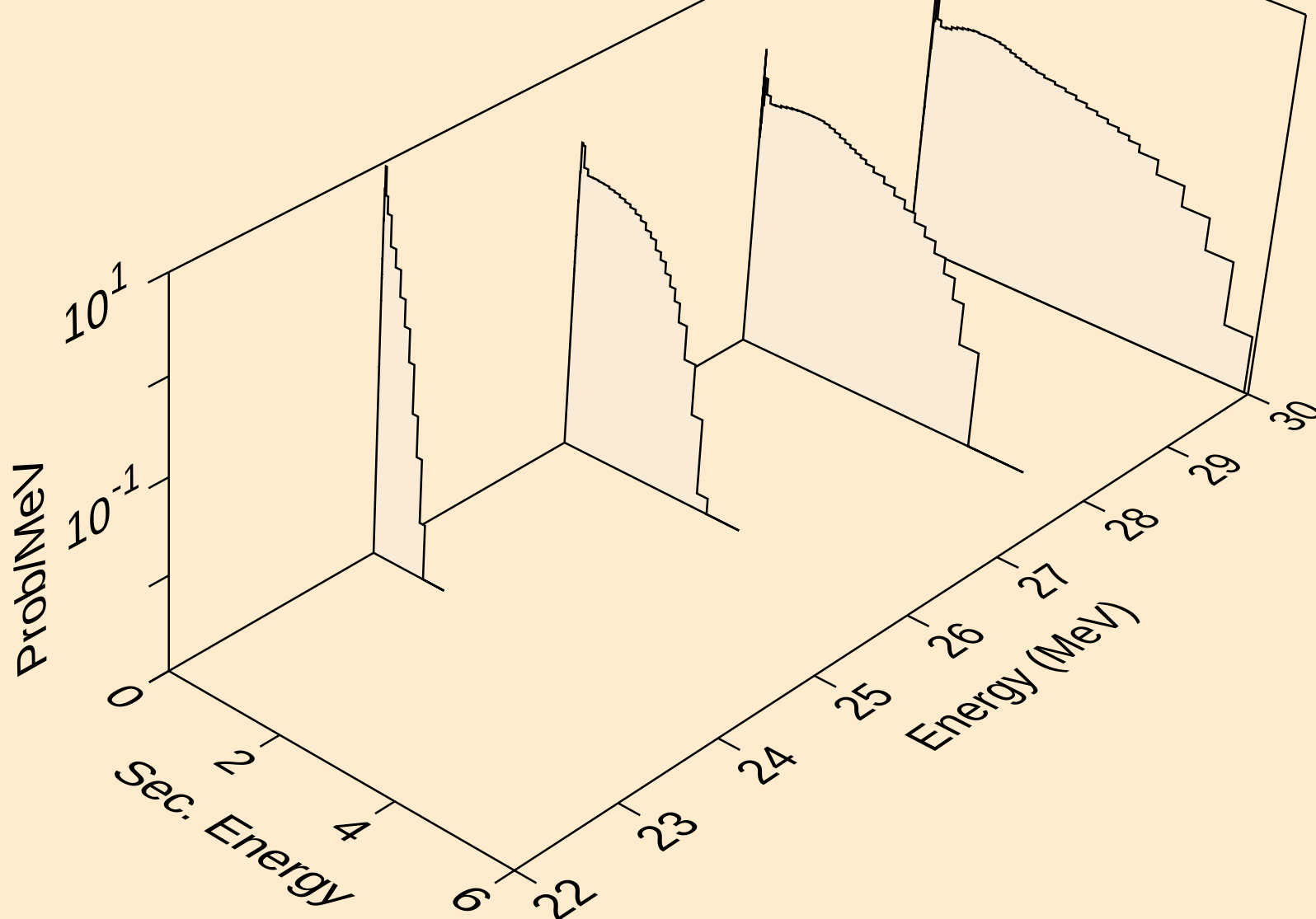
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Neutron emission for (n,2n)2a



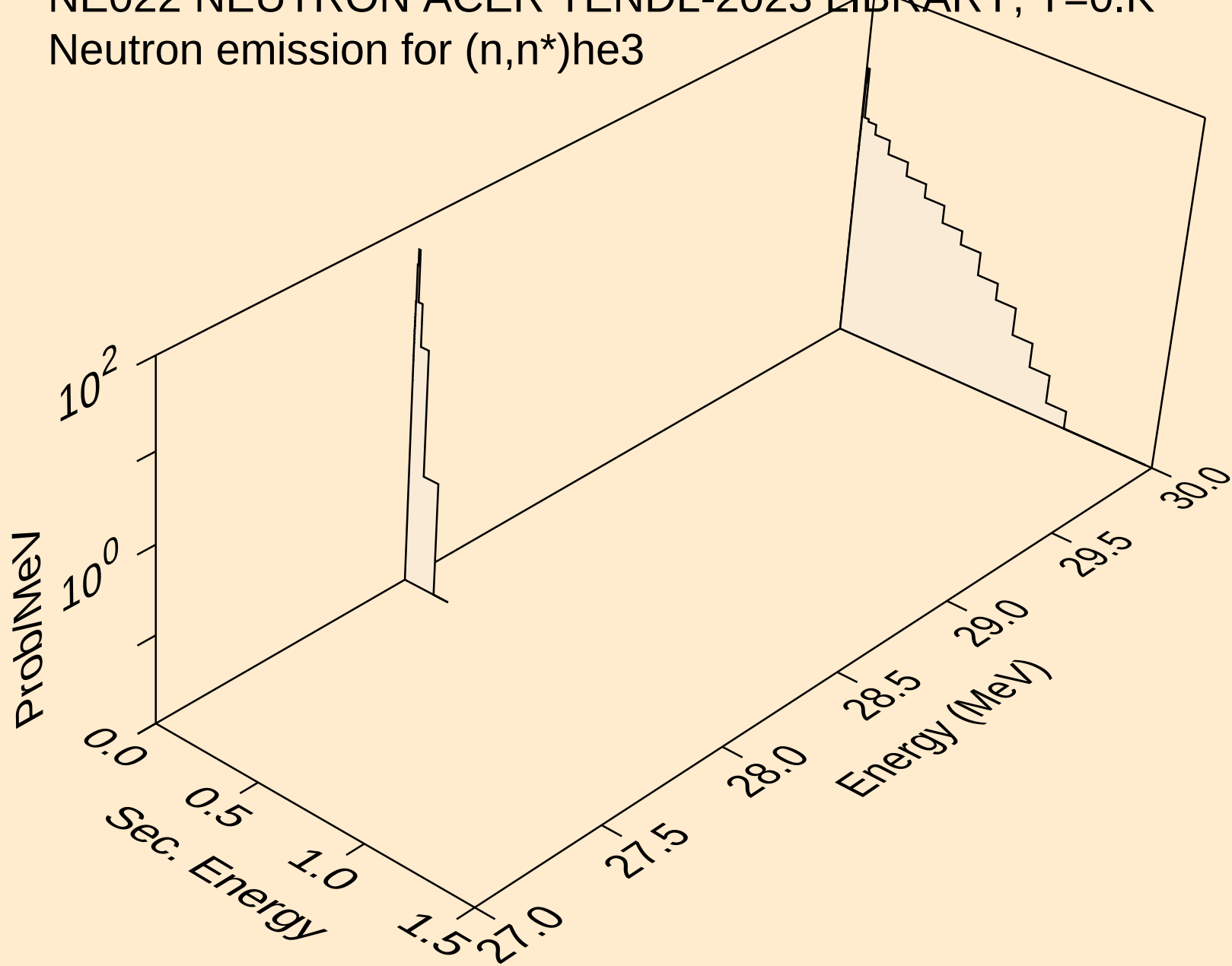
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Neutron emission for (n,n\*)d



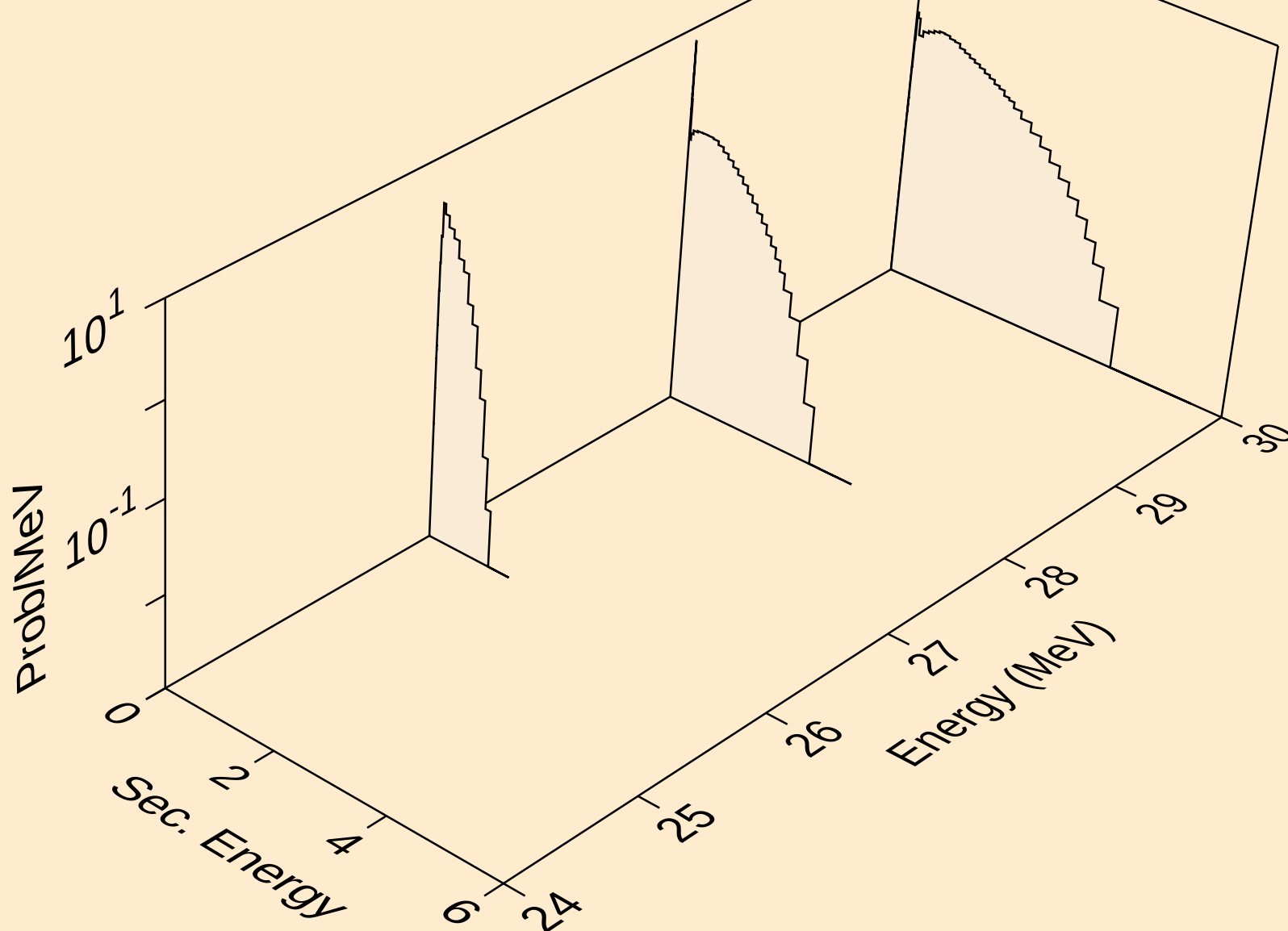
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Neutron emission for (n,n\*)t



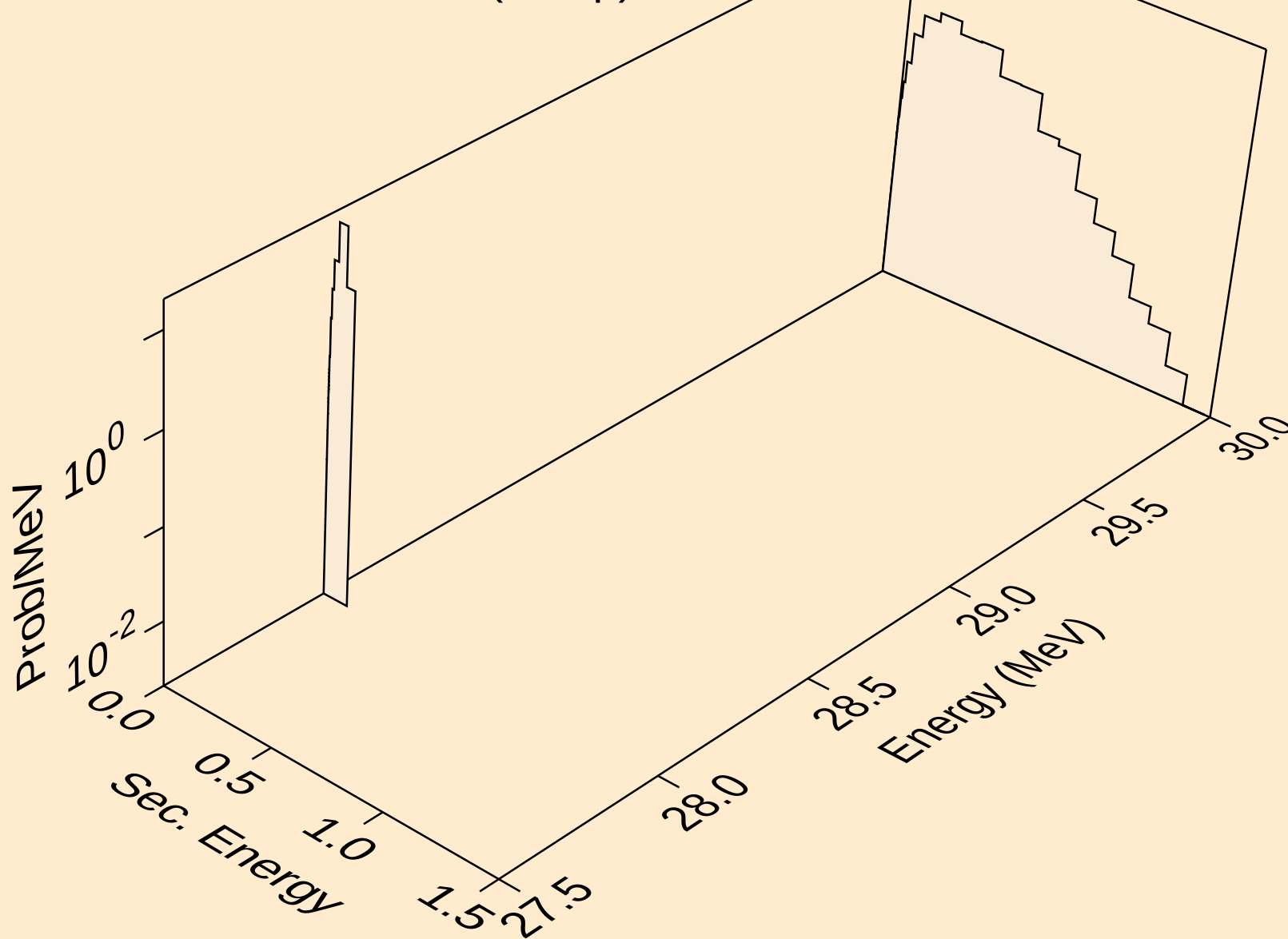
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Neutron emission for (n,n\*)he3



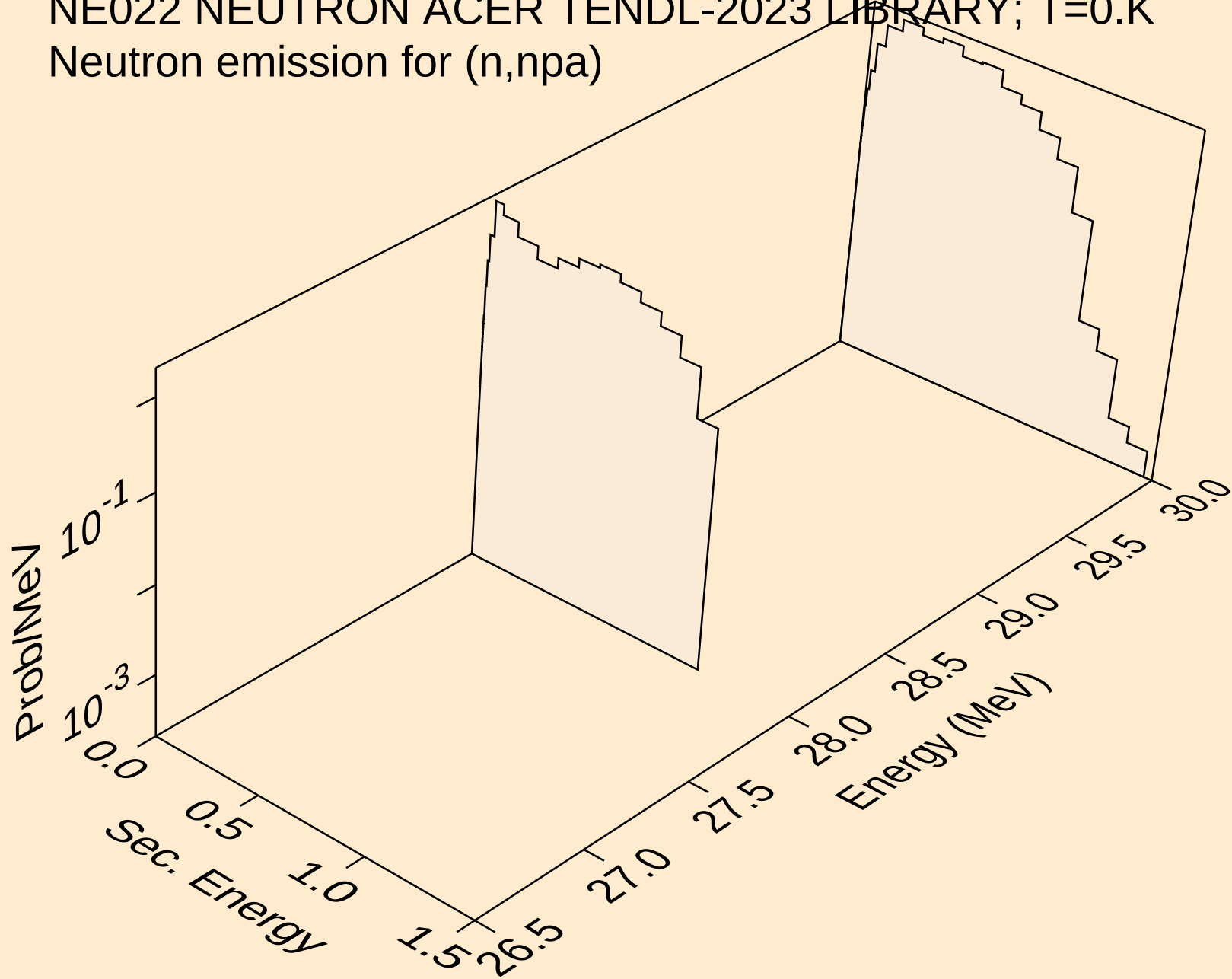
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Neutron emission for (n,2np)



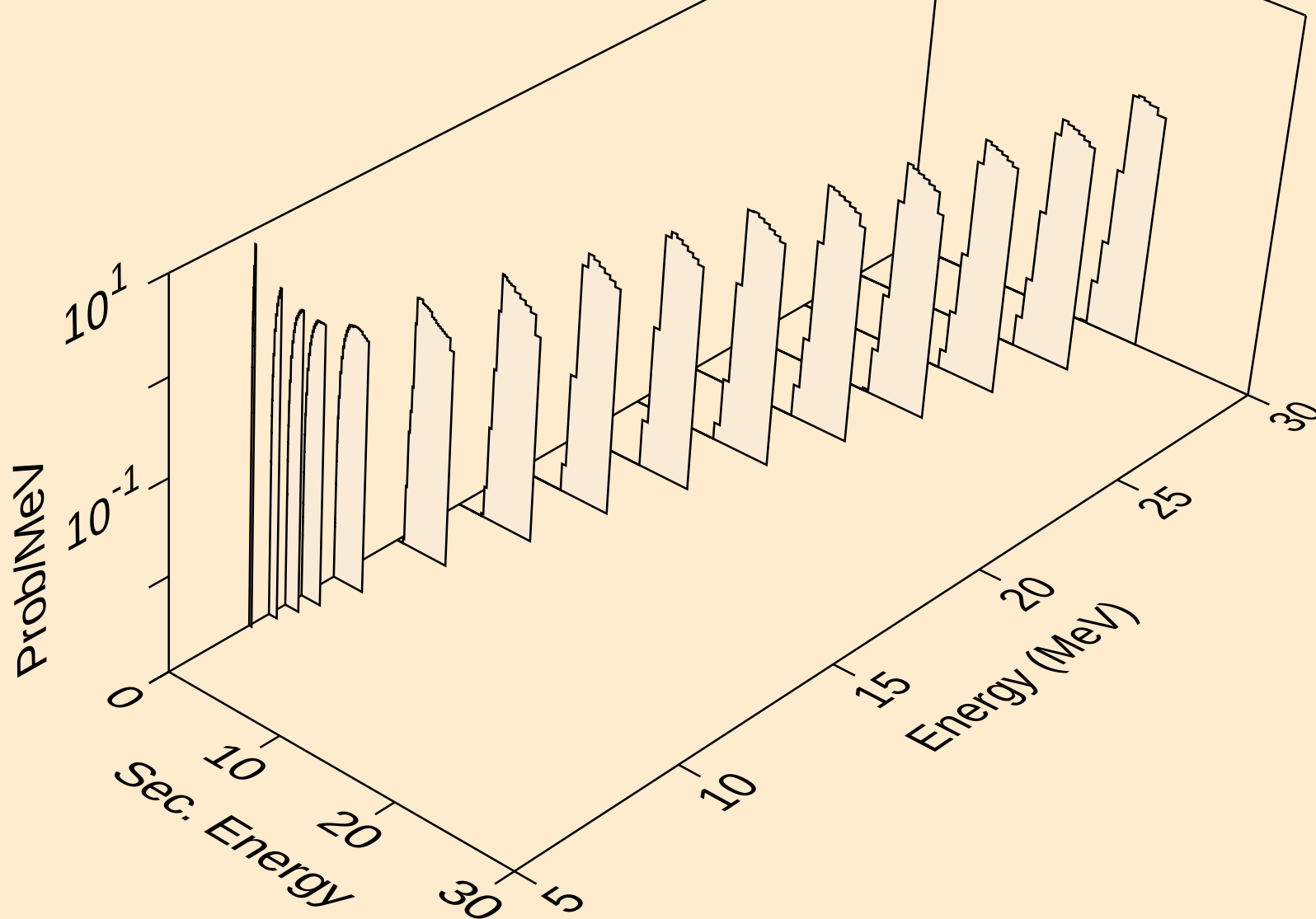
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Neutron emission for (n,n2p)



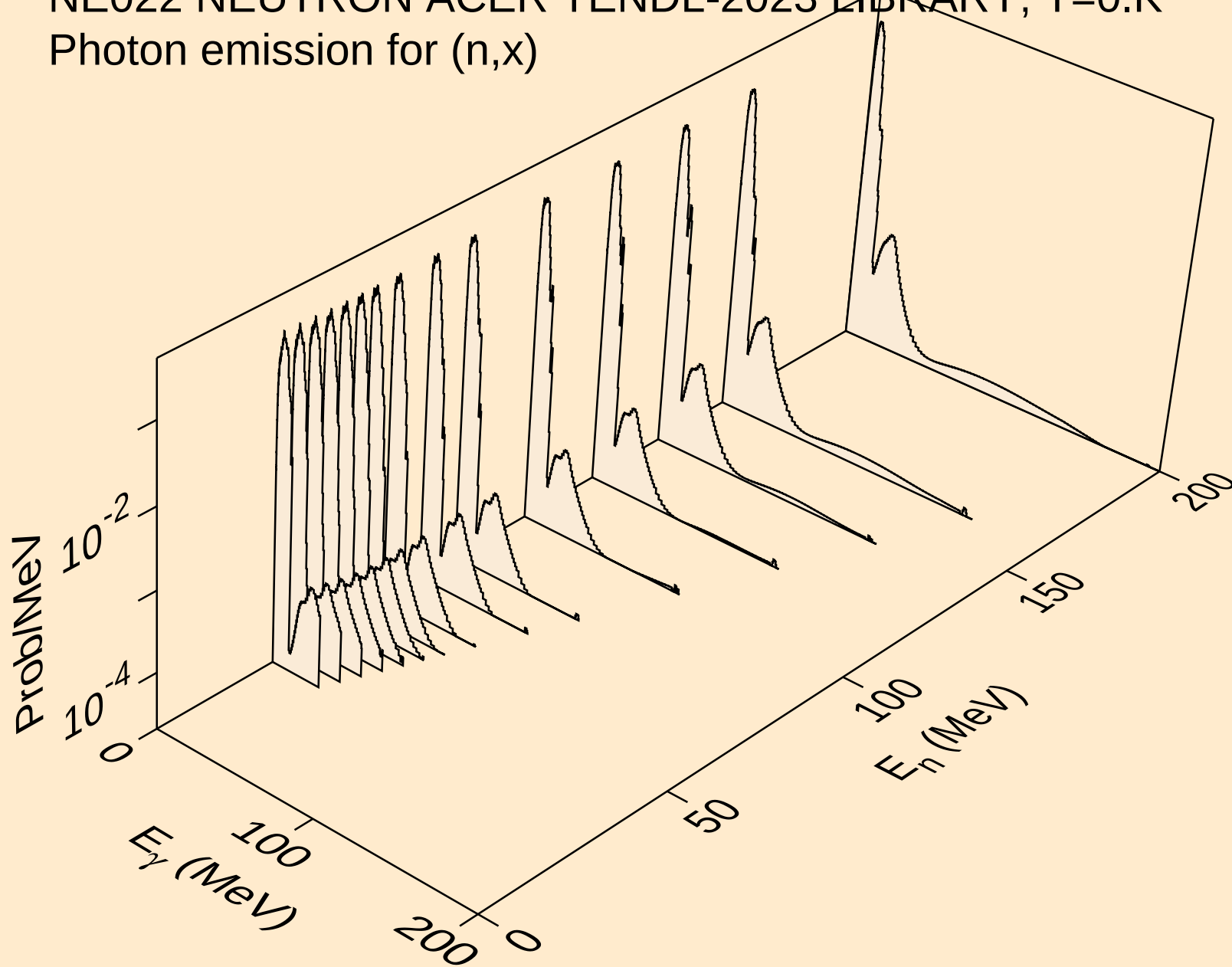
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Neutron emission for (n,npa)



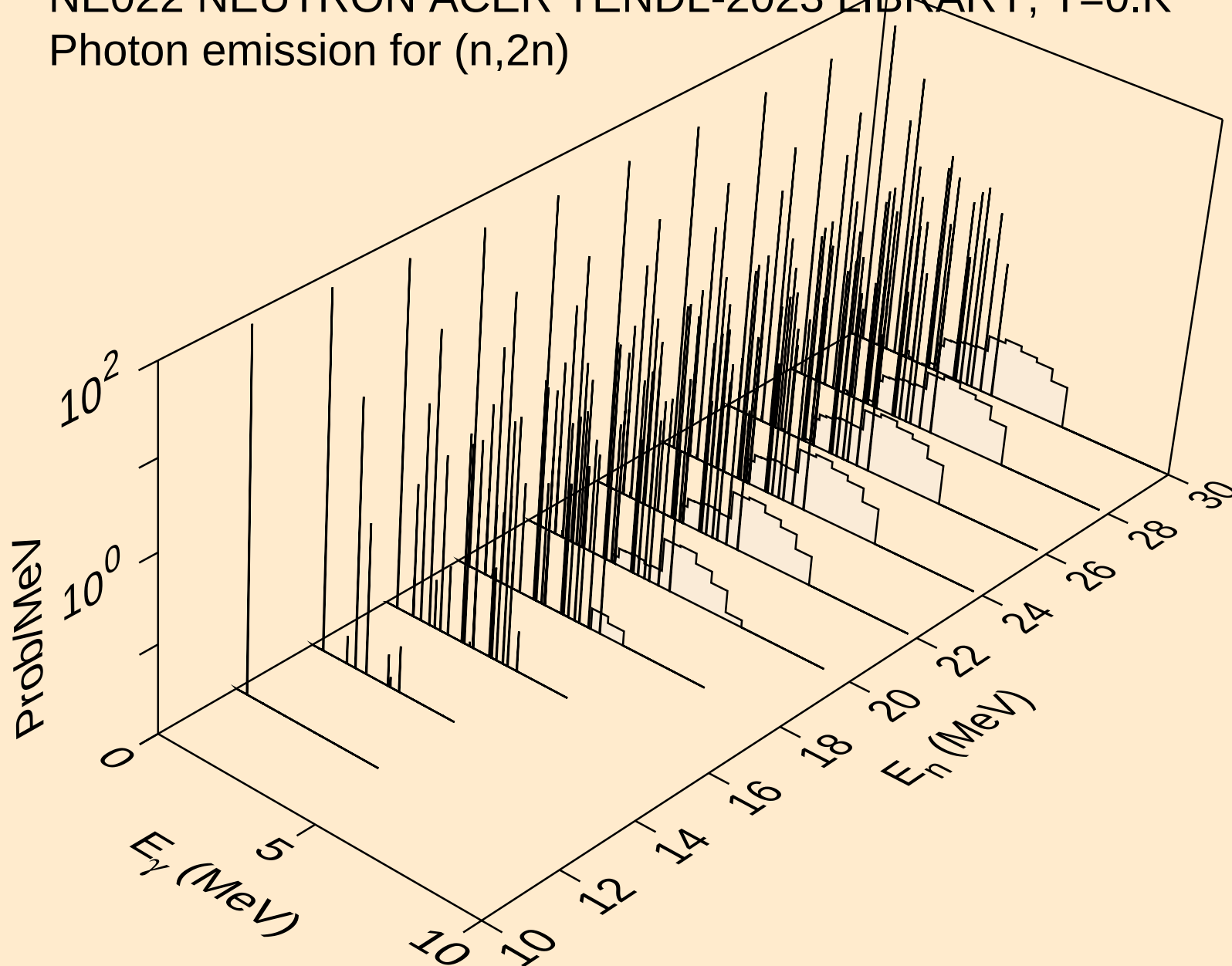
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Neutron emission for (n,n\*c)



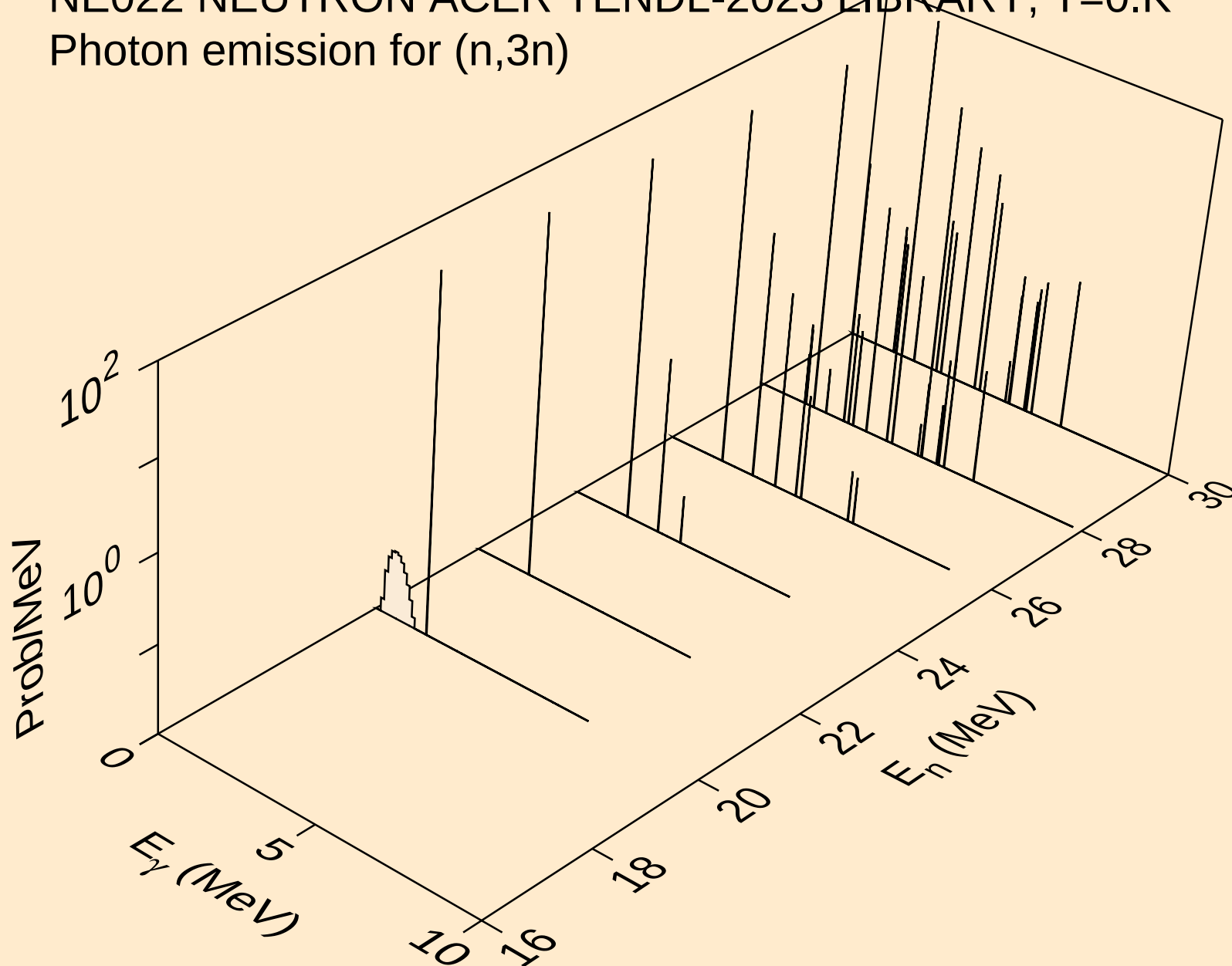
NE022 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,x)



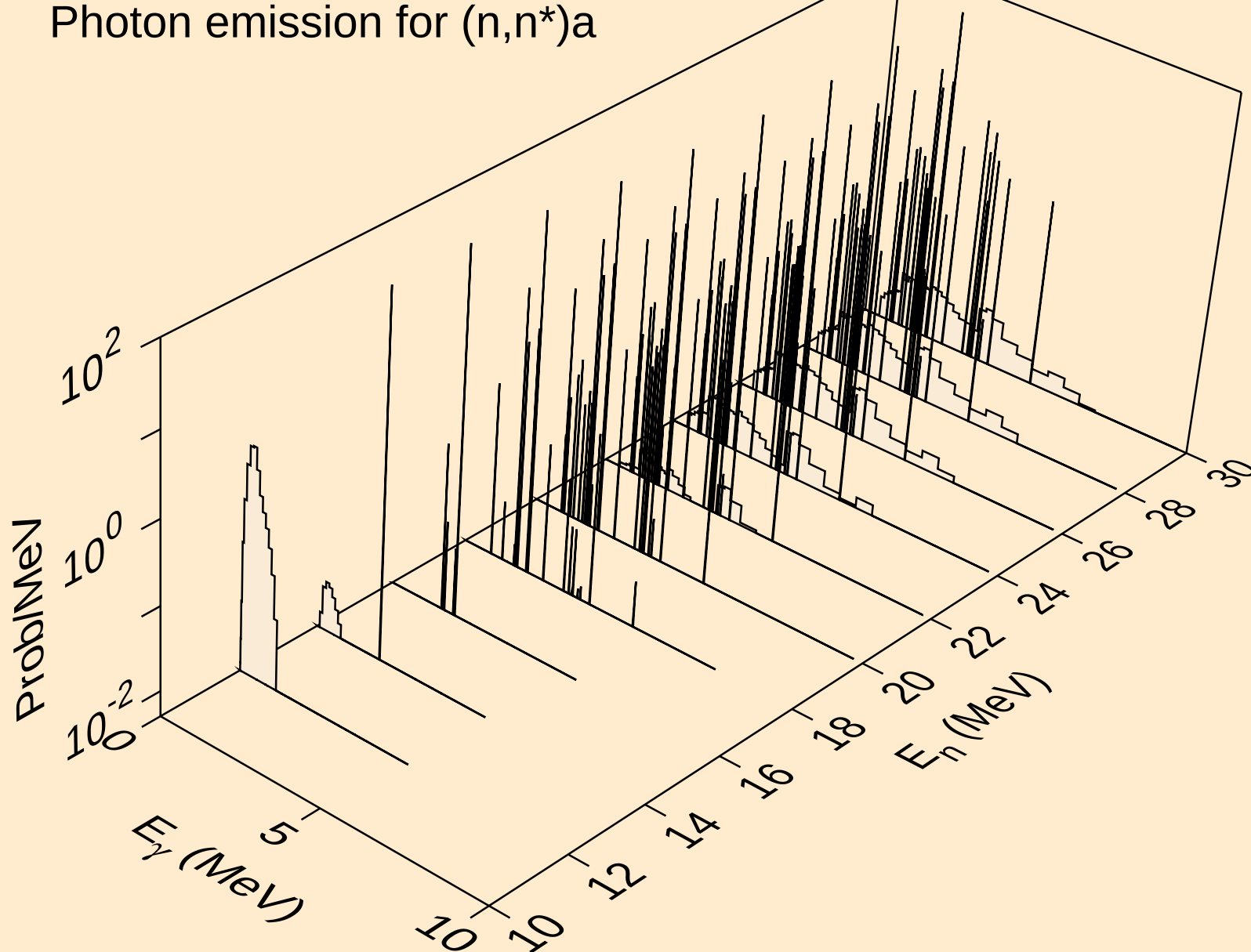
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Photon emission for (n,2n)



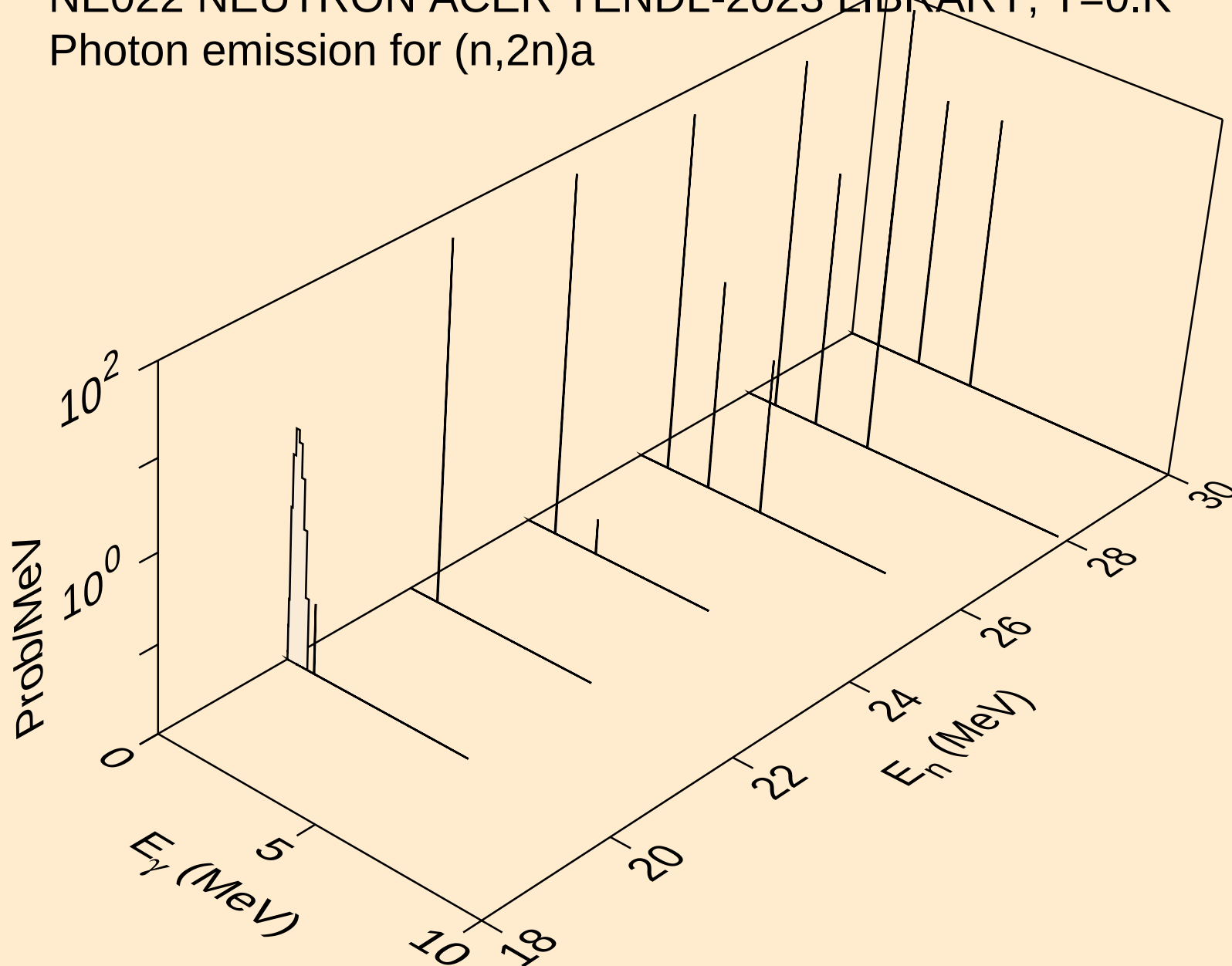
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Photon emission for (n,3n)



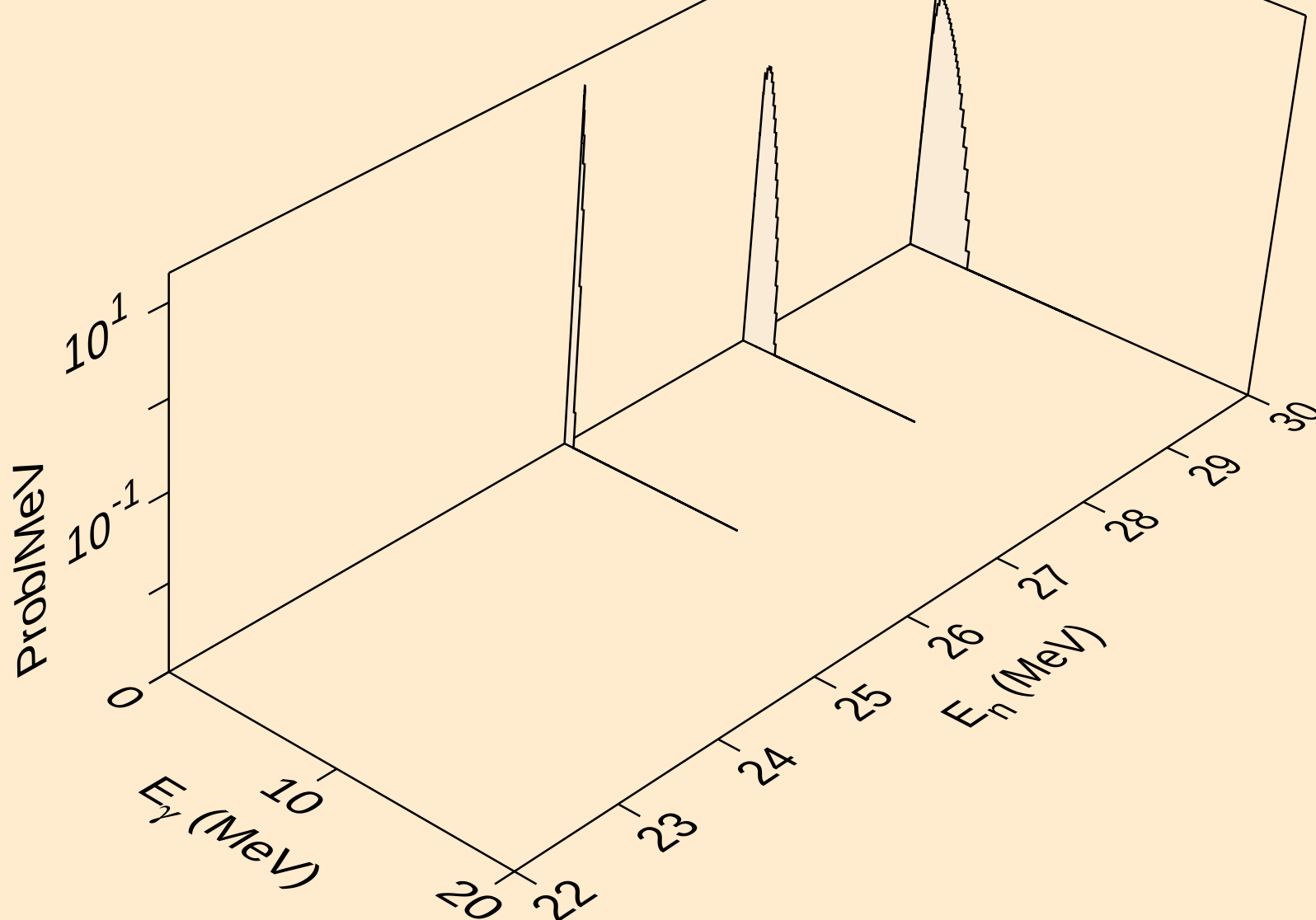
NE022 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)a



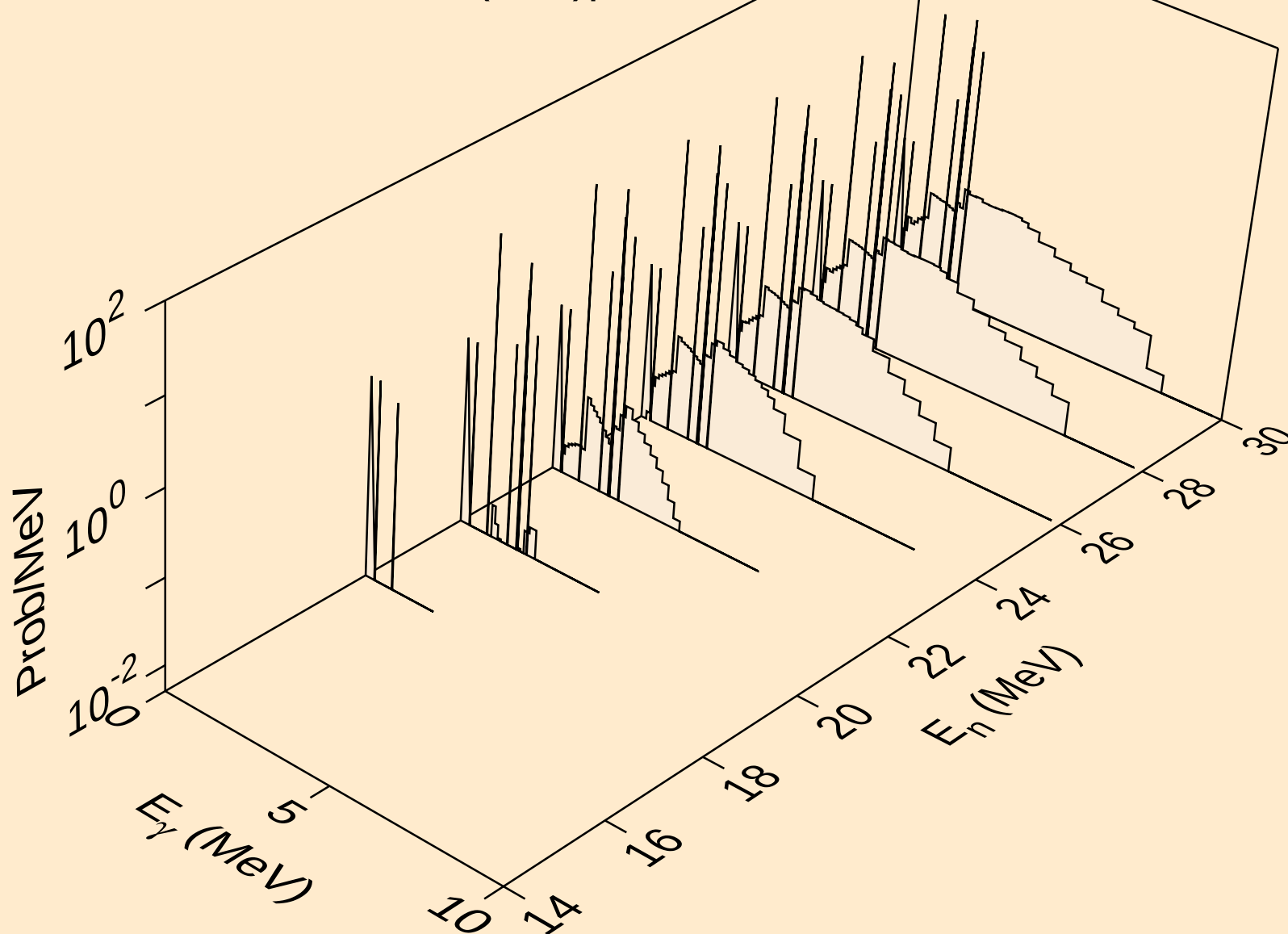
NE022 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n) $\alpha$



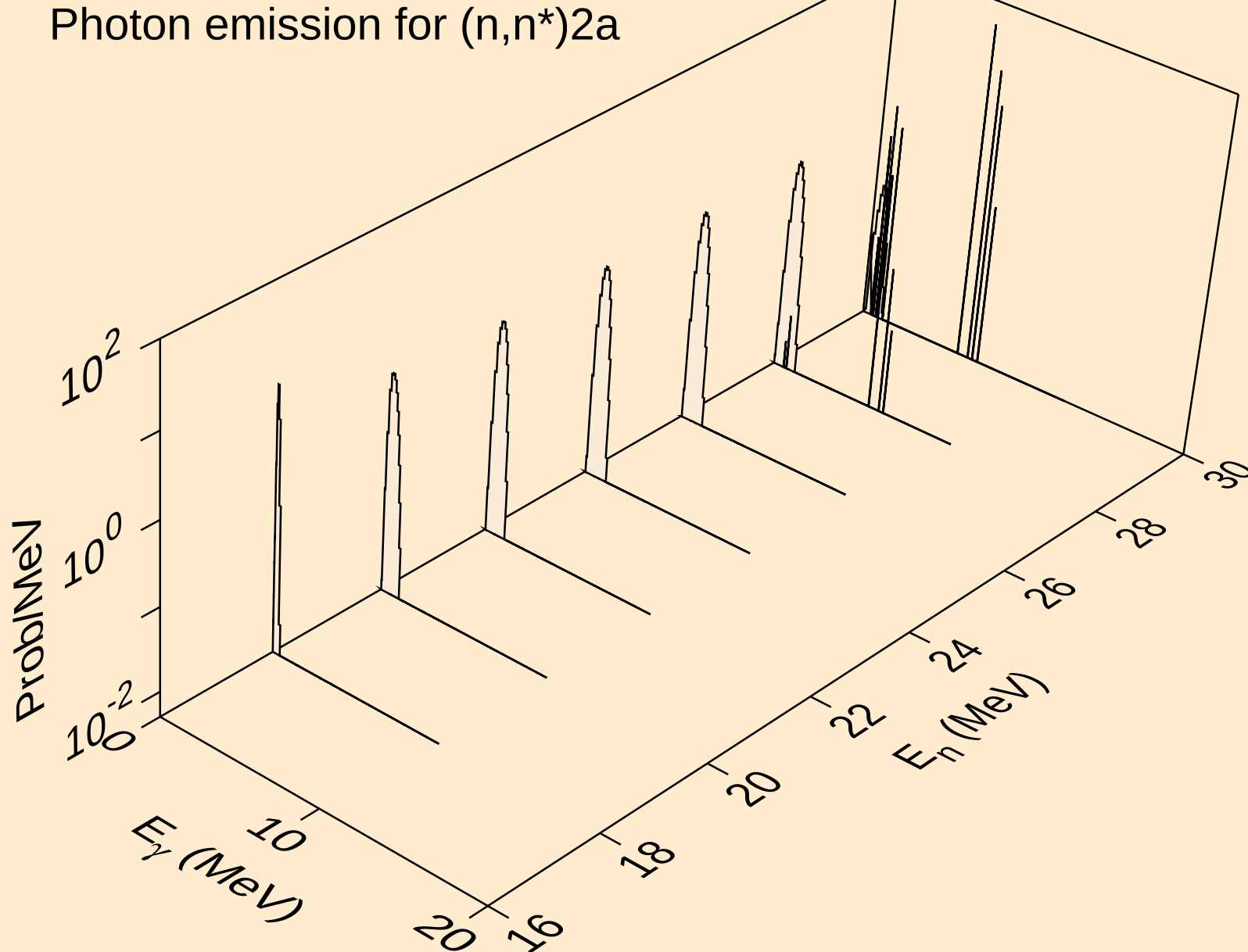
NE022 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3n) $\alpha$



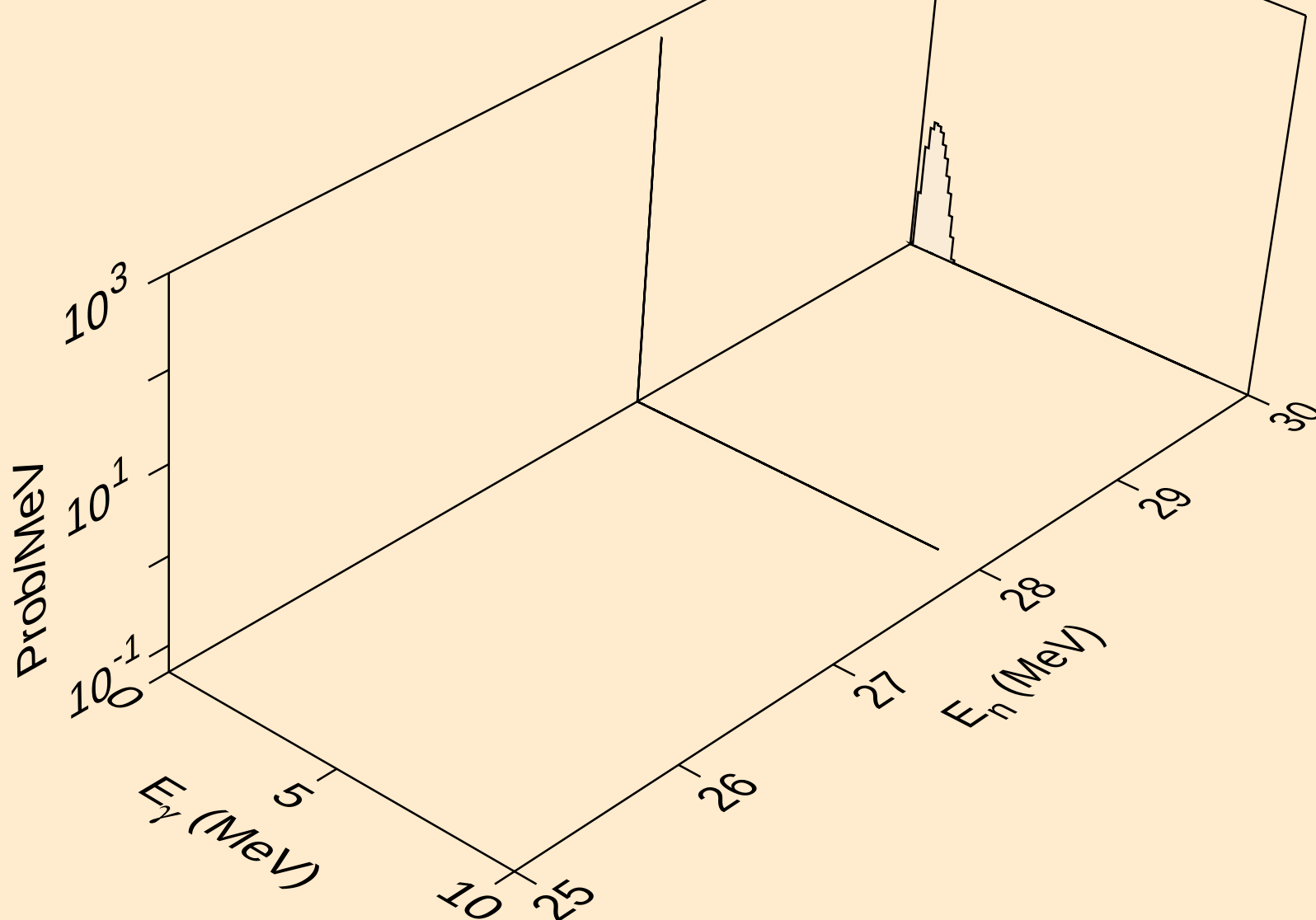
NE022 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)p



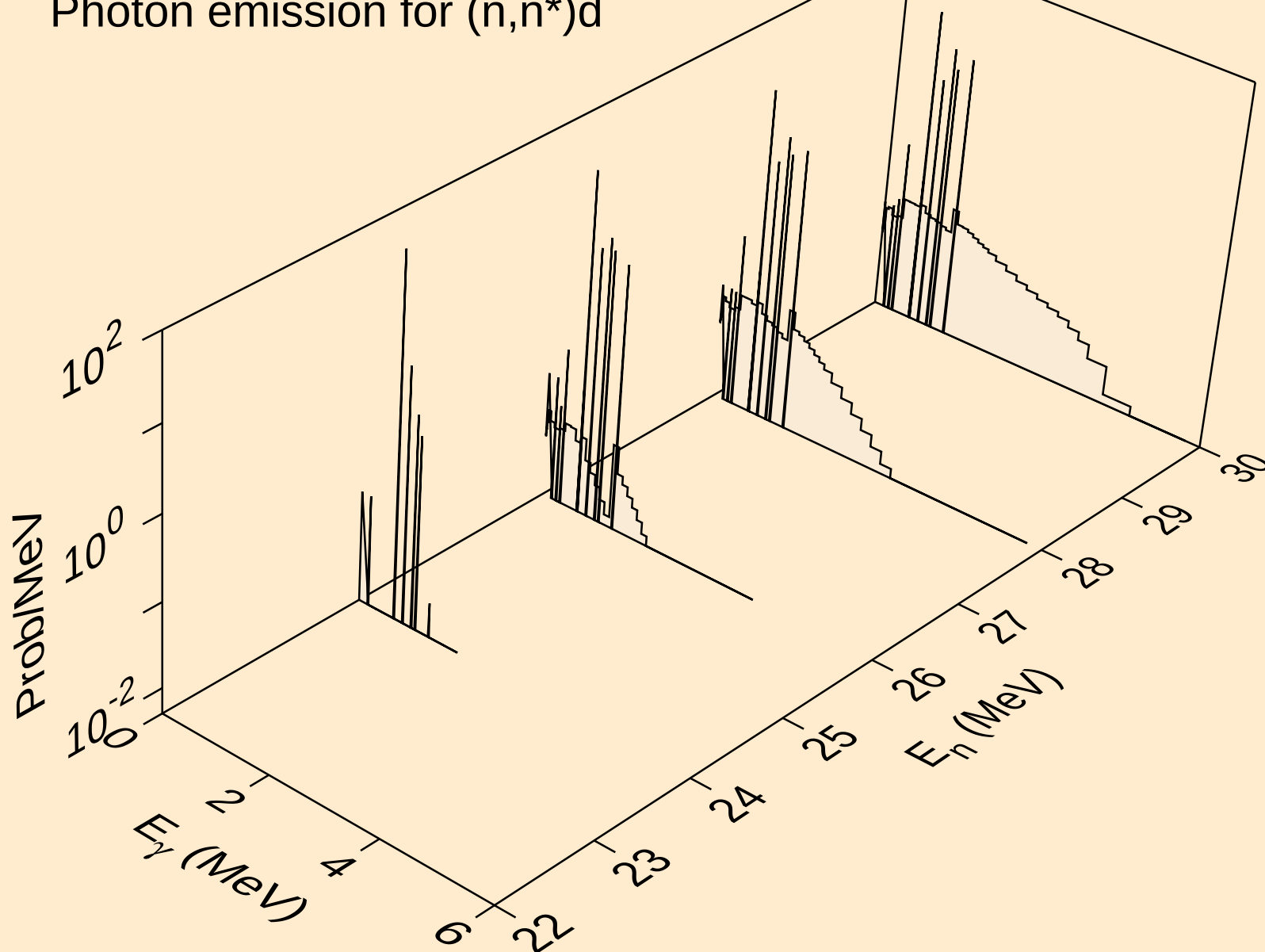
NE022 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)2a



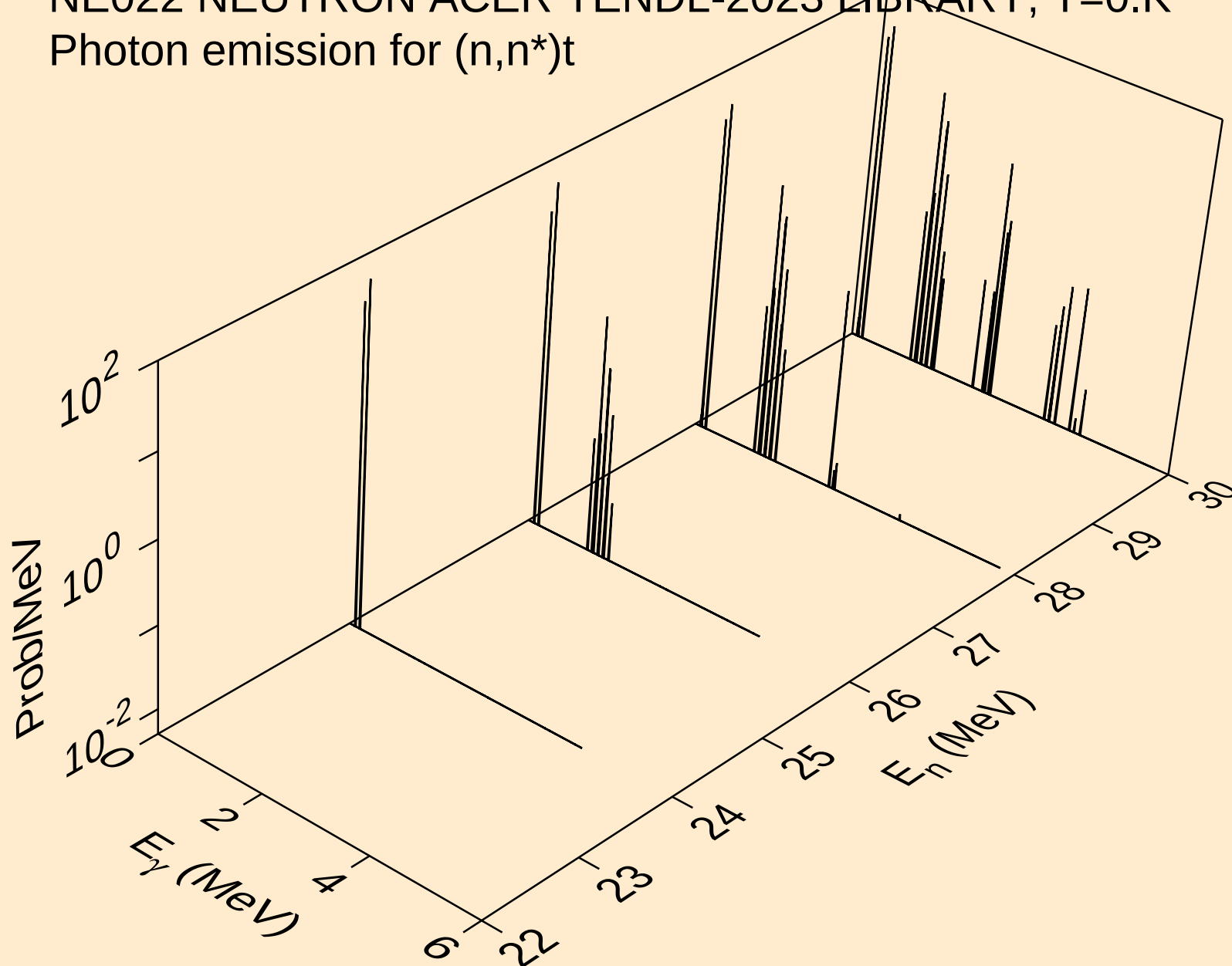
NE022 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)2a



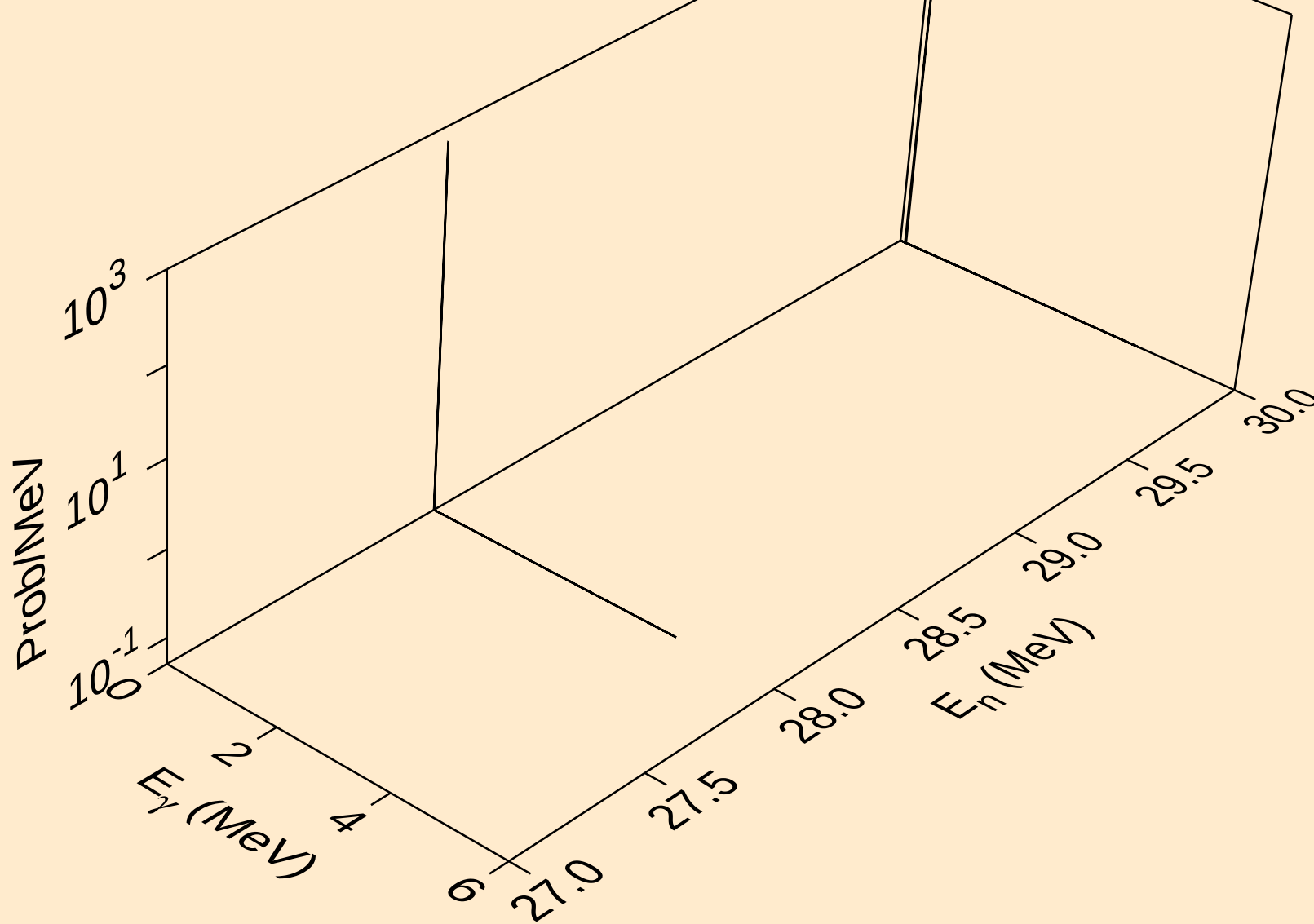
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Photon emission for (n,n\*)d



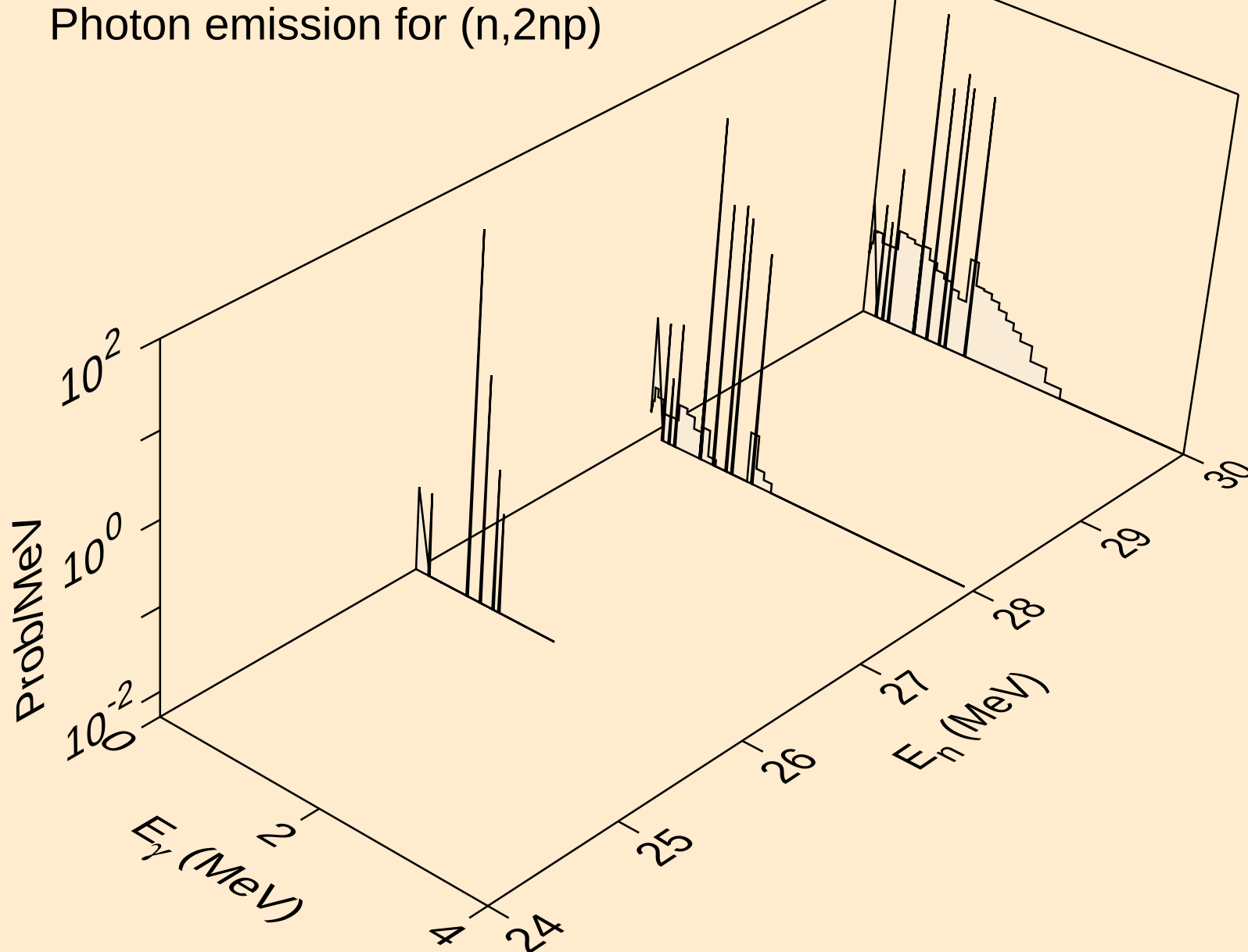
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Photon emission for (n,n\*)t



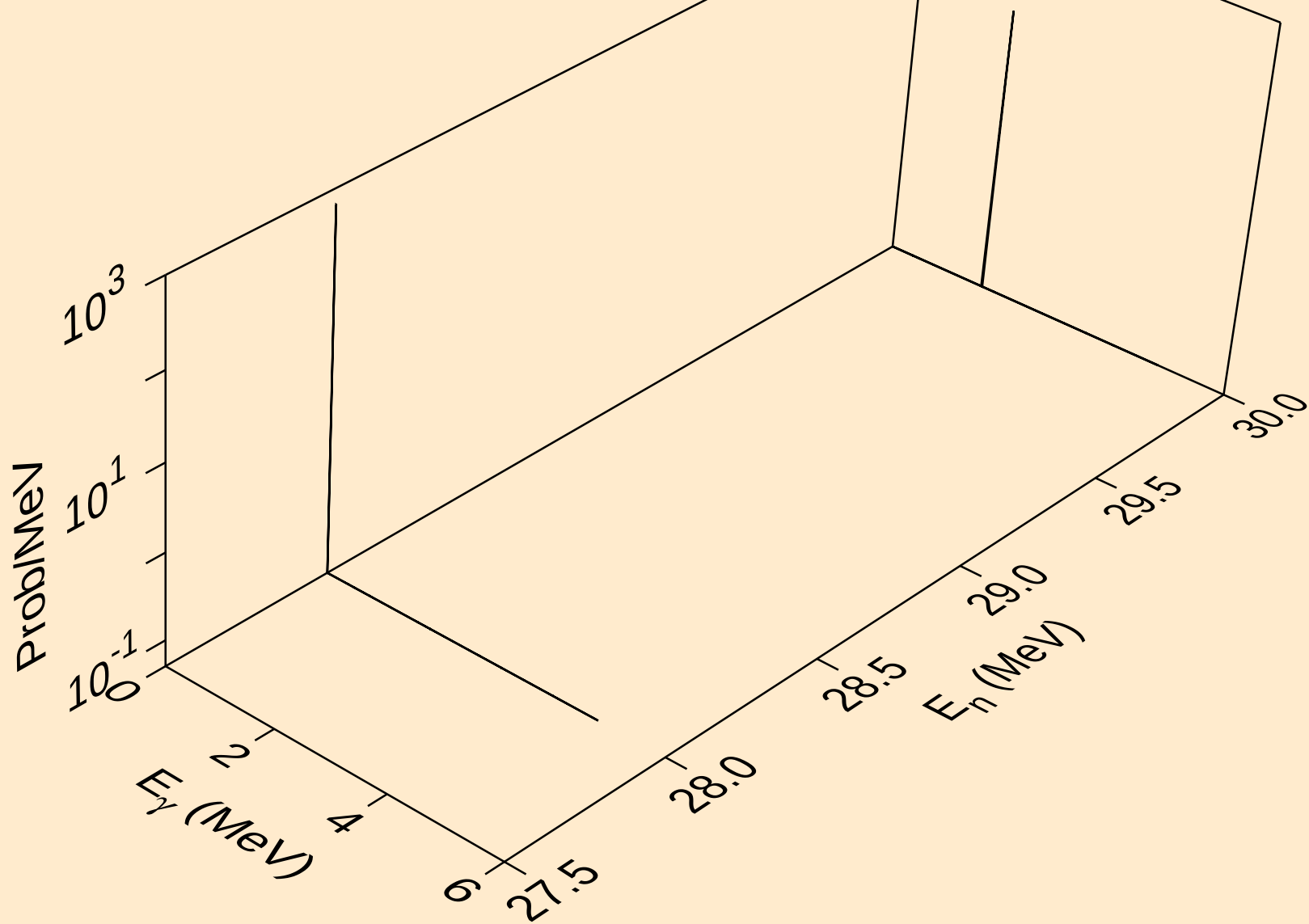
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Photon emission for (n,n\*)he3



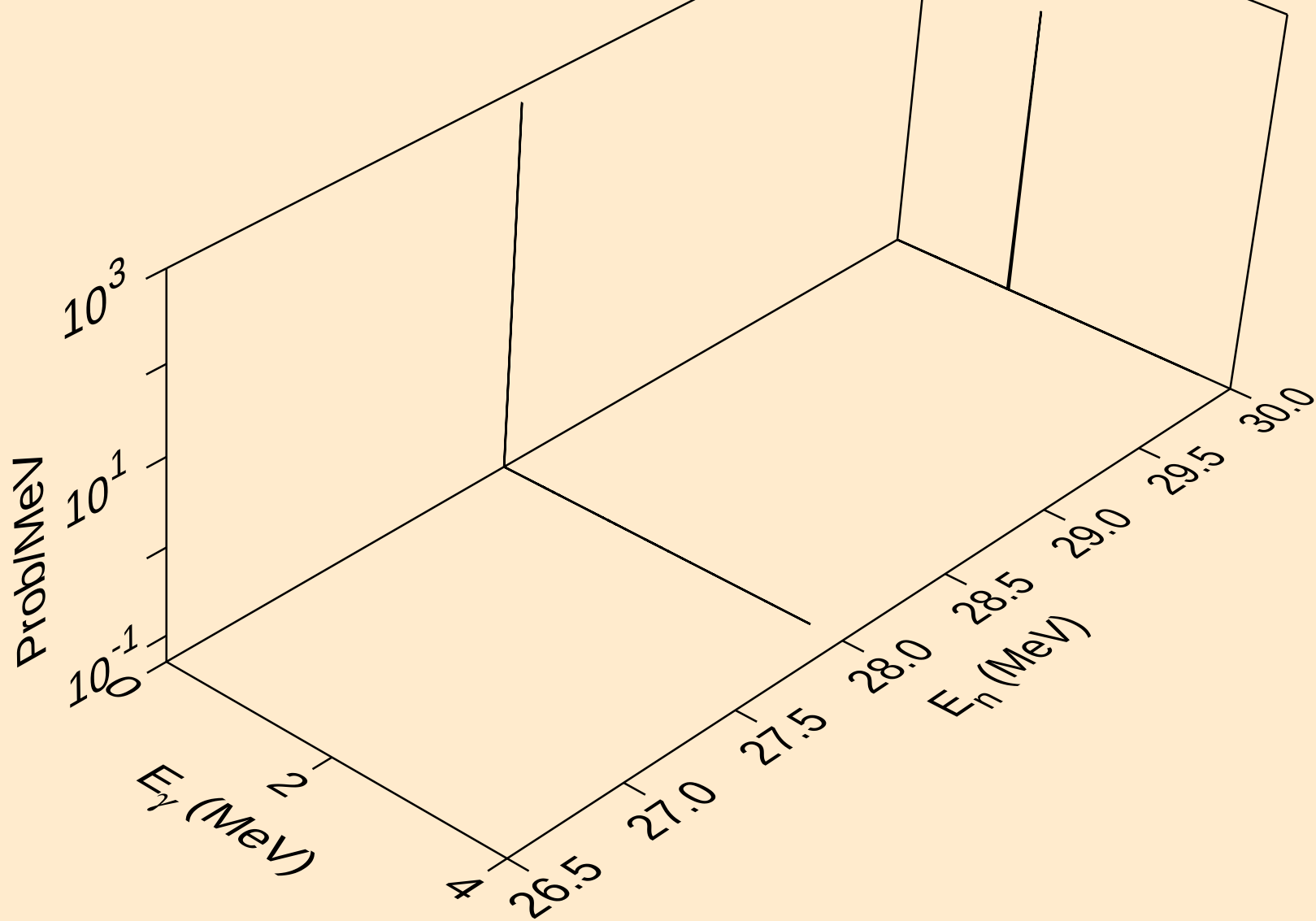
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Photon emission for (n,2np)



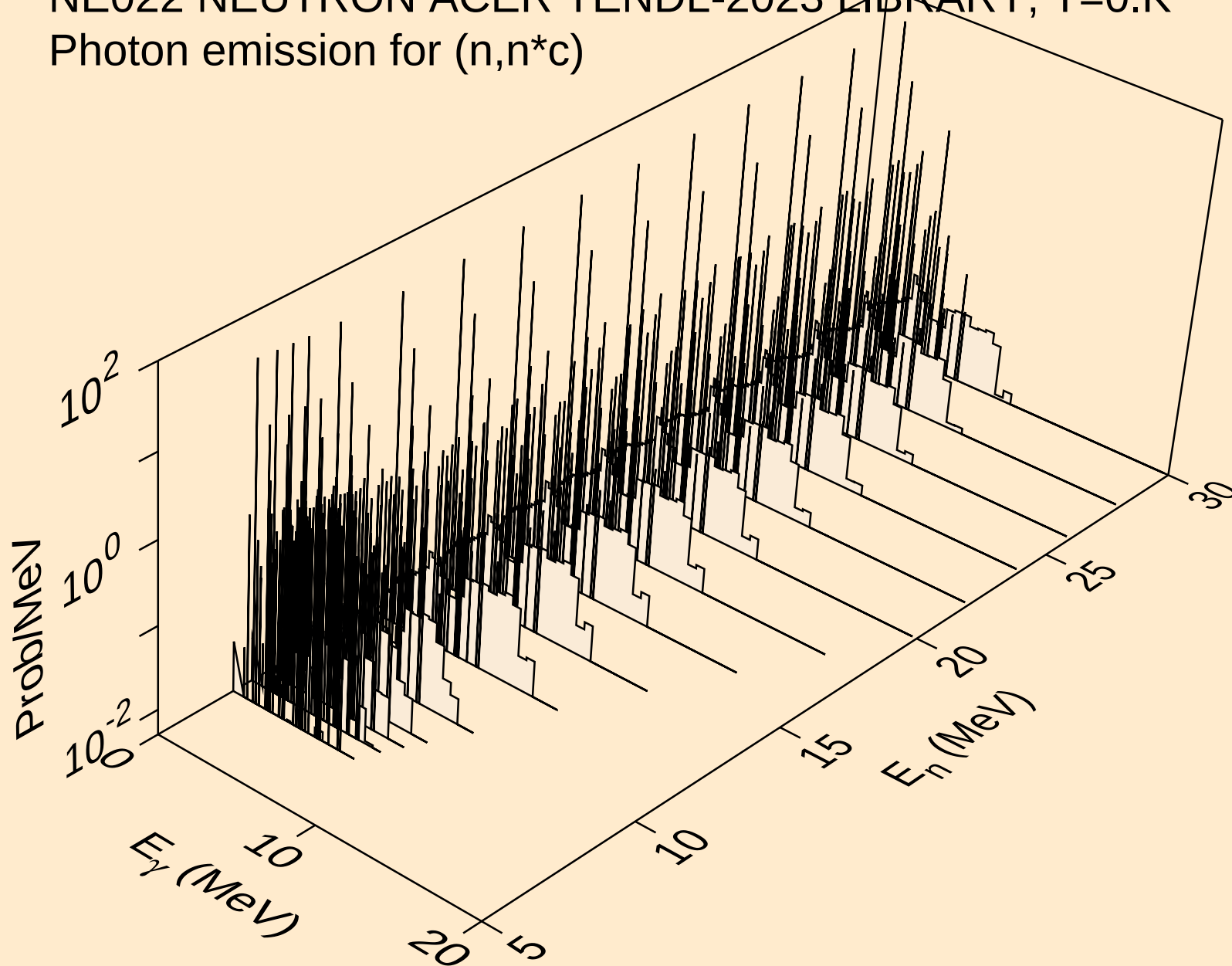
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Photon emission for (n,n2p)



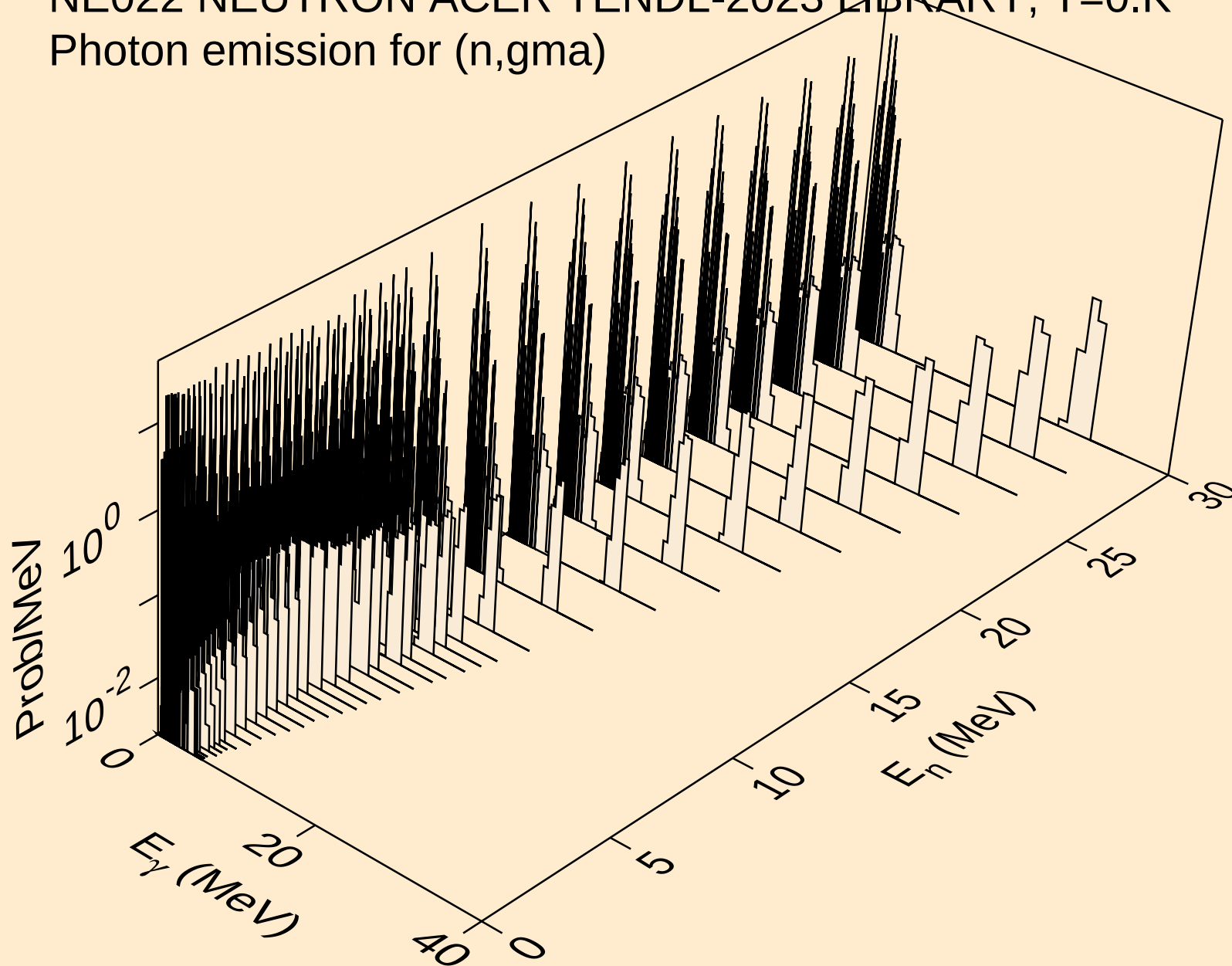
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Photon emission for (n,npa)



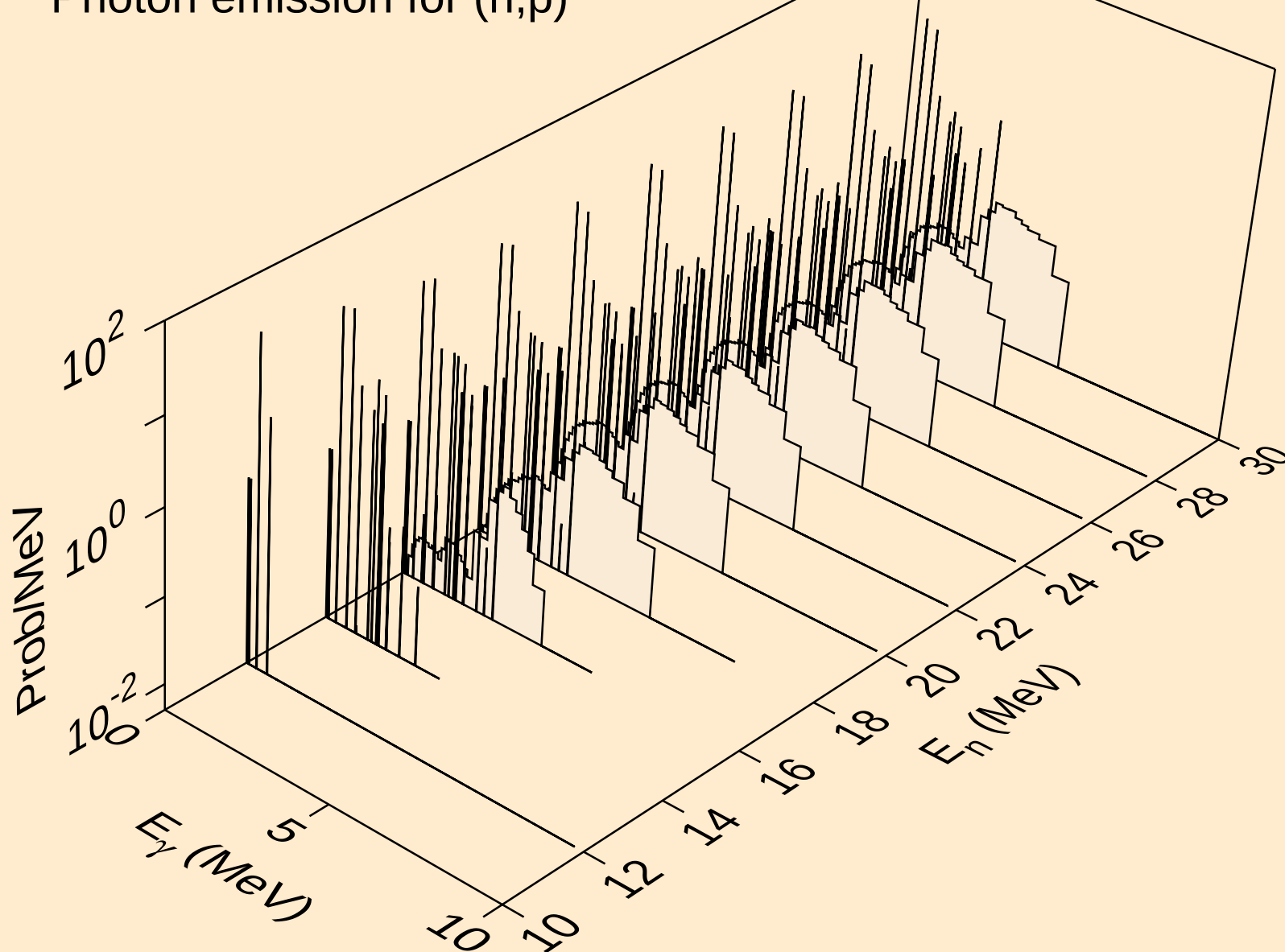
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Photon emission for (n,n\*c)



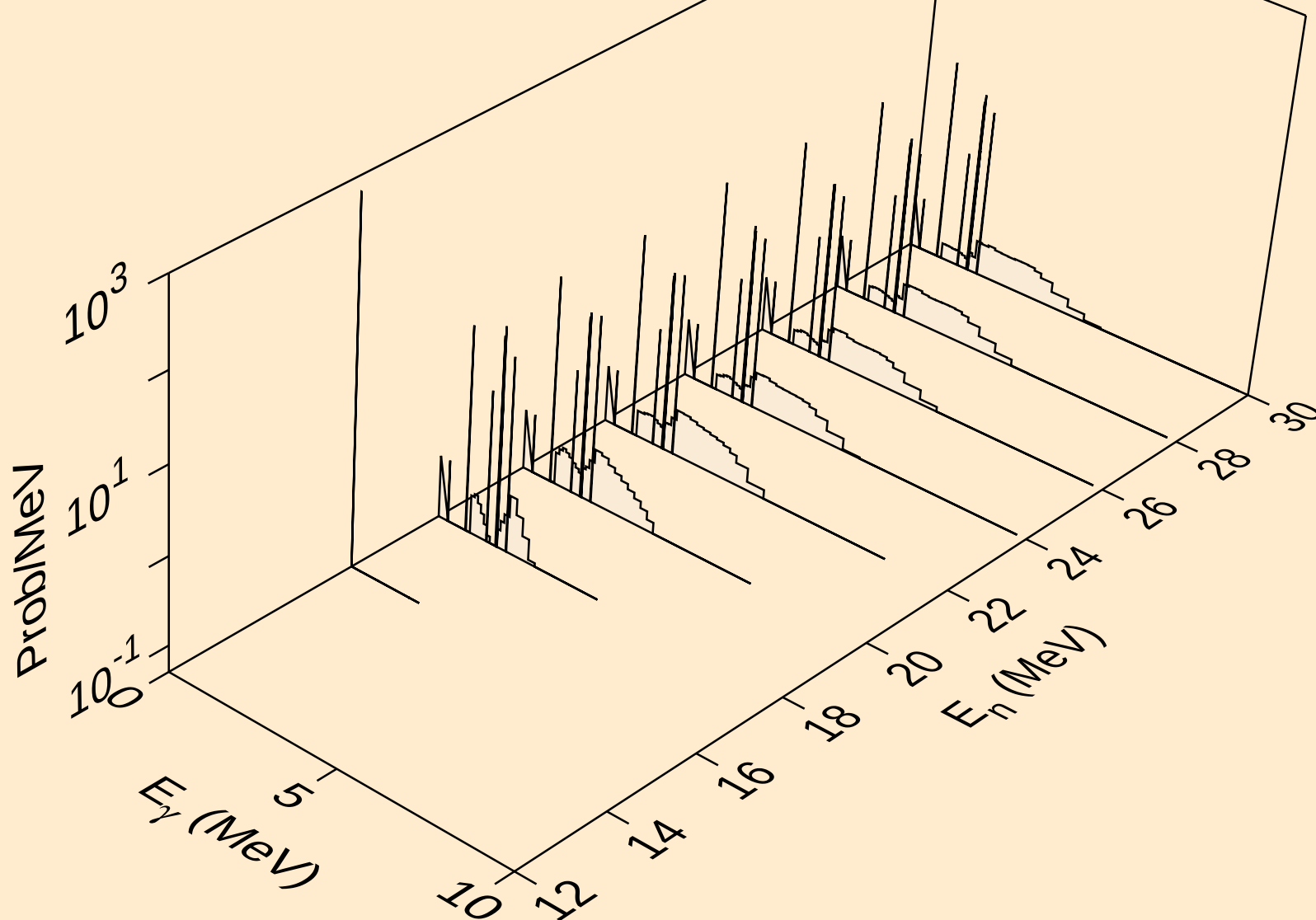
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Photon emission for (n,gma)



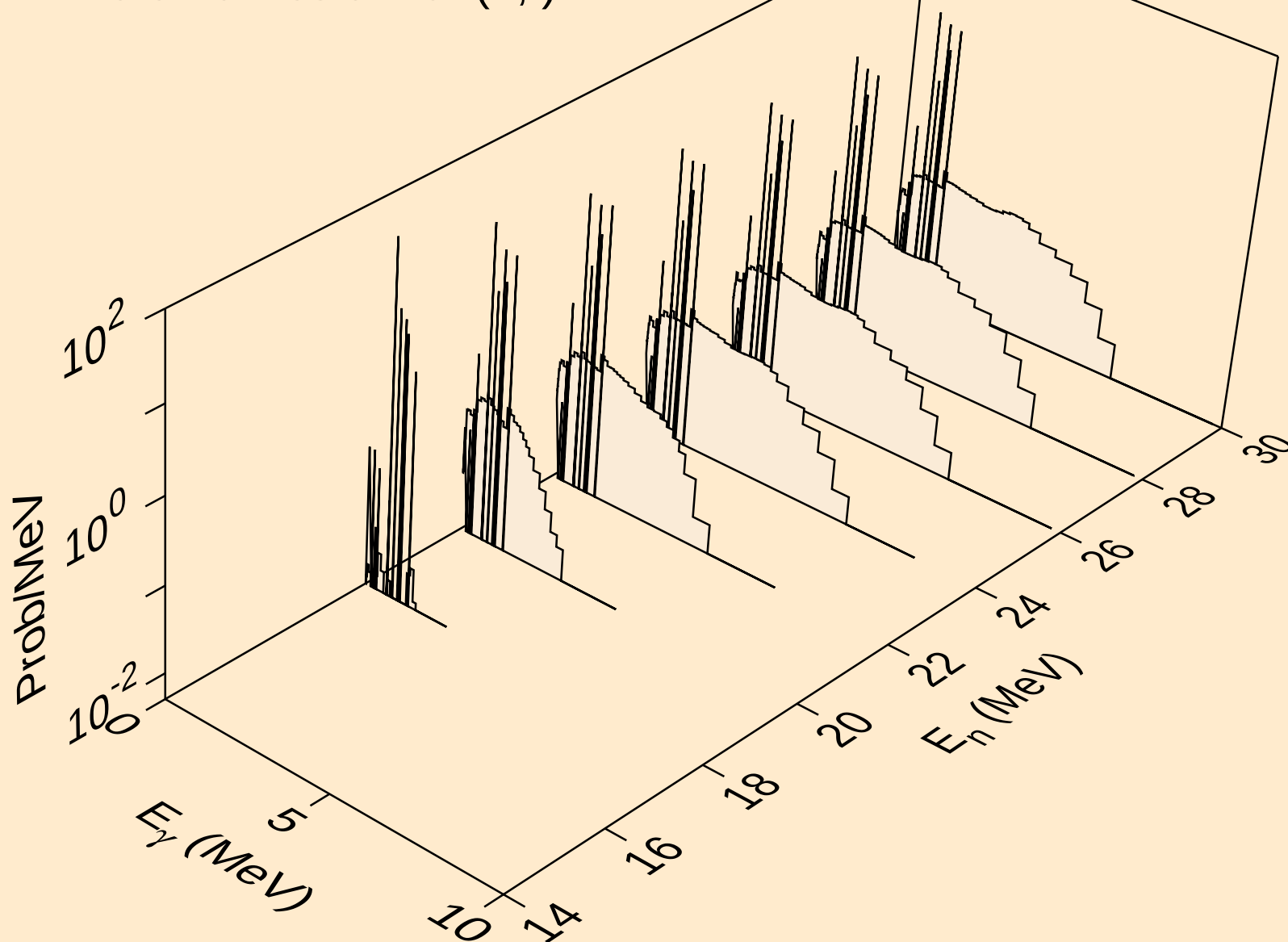
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Photon emission for (n,p)



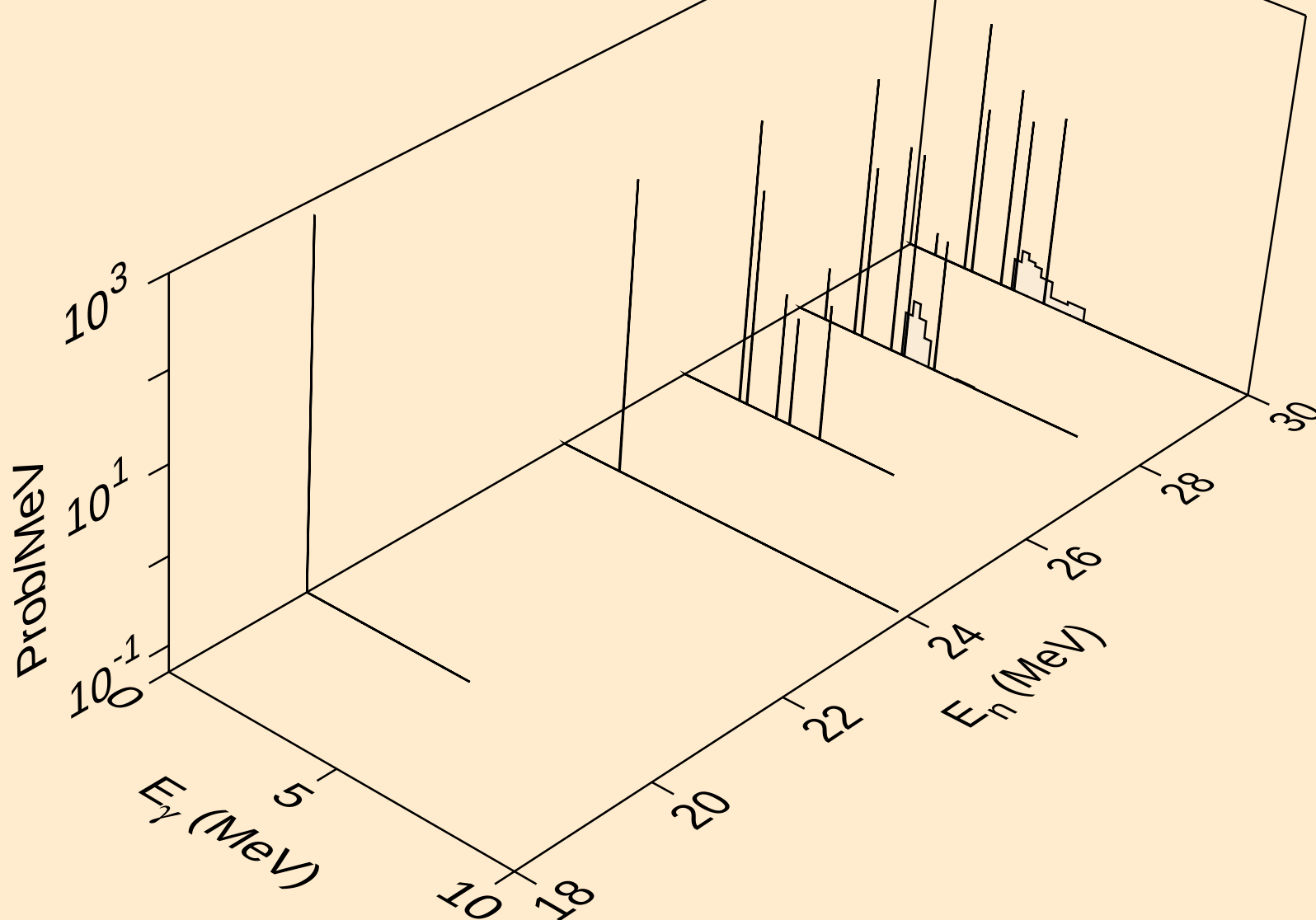
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Photon emission for (n,d)



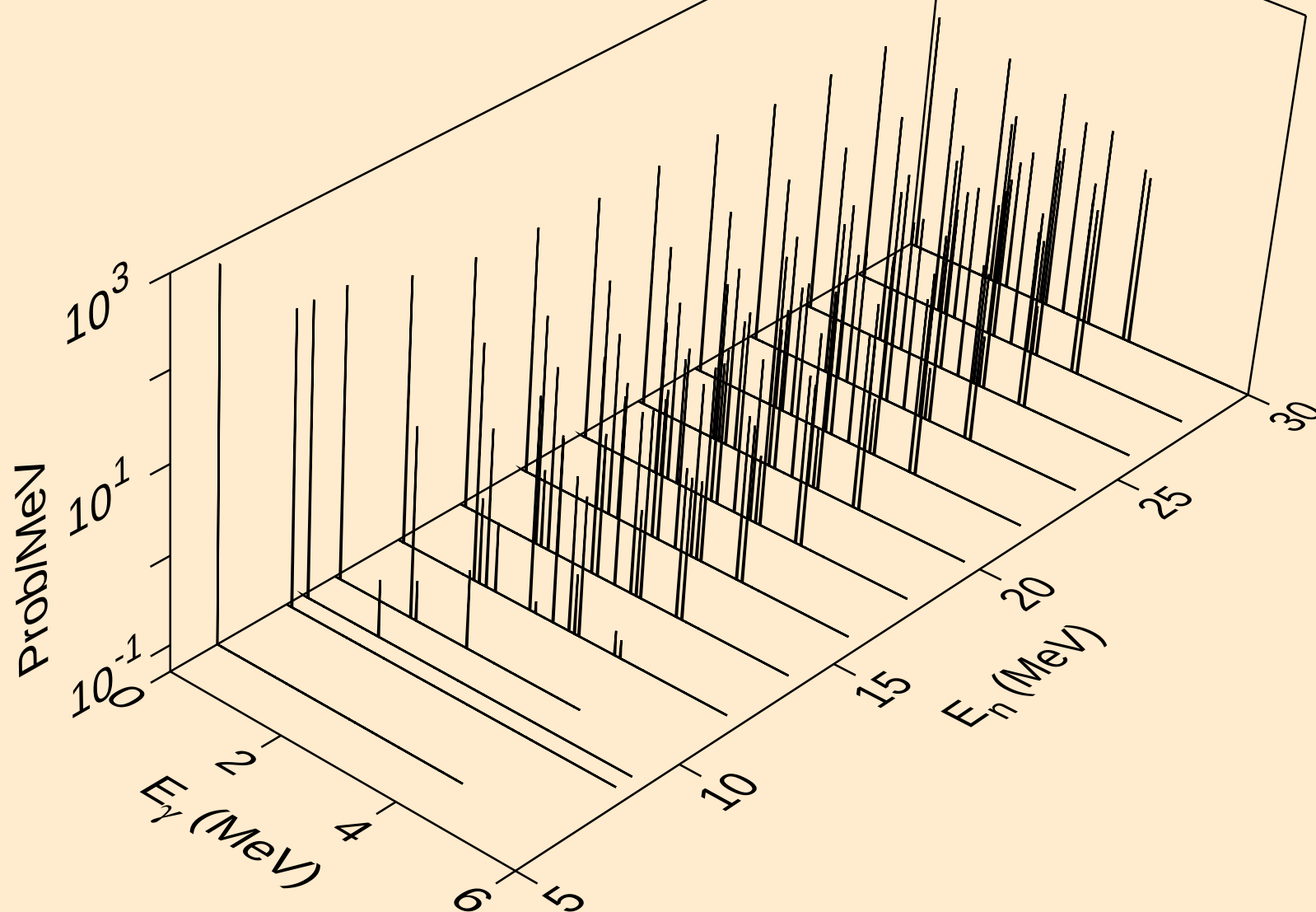
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Photon emission for (n,t)



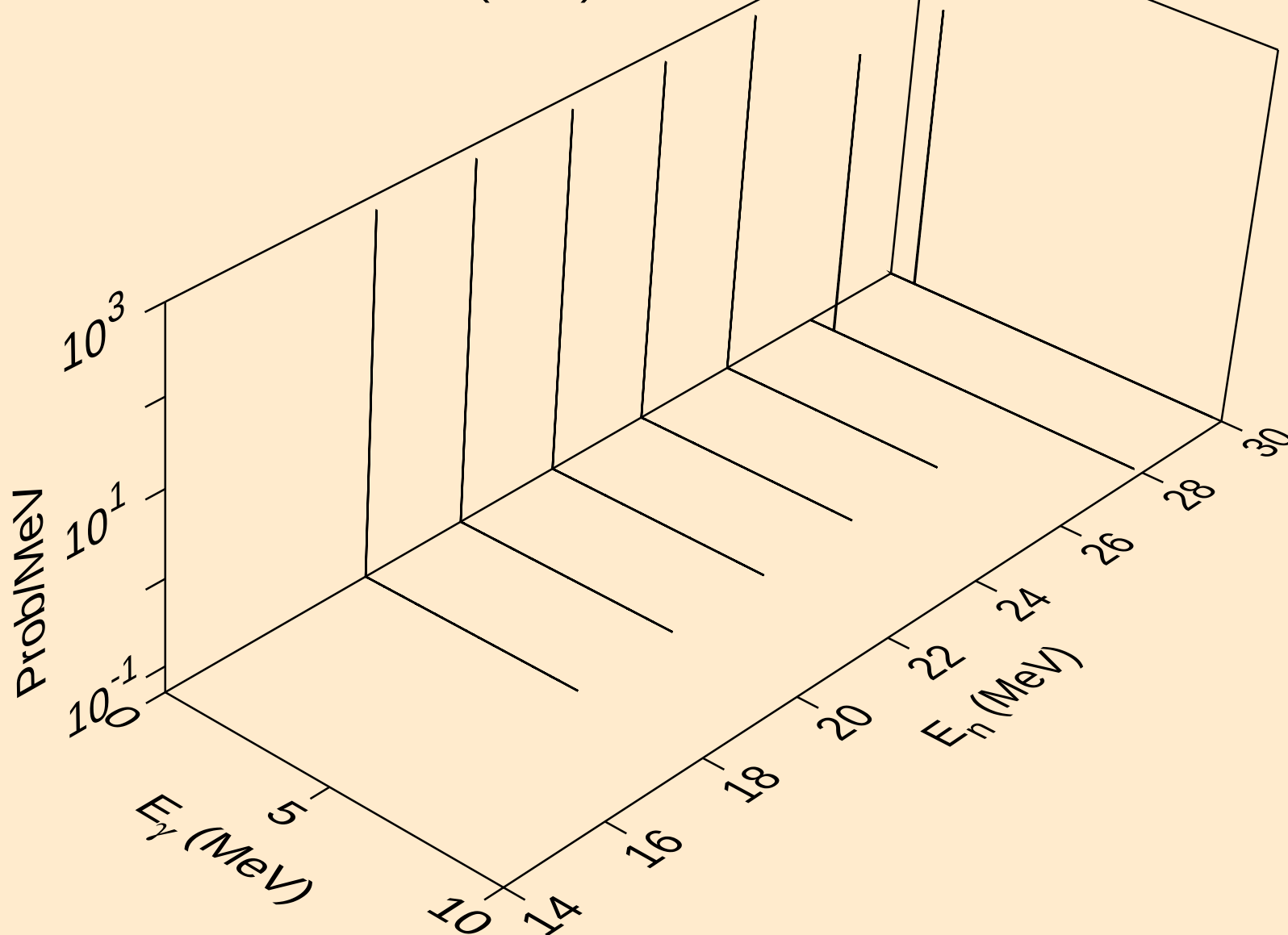
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Photon emission for (n,he3)



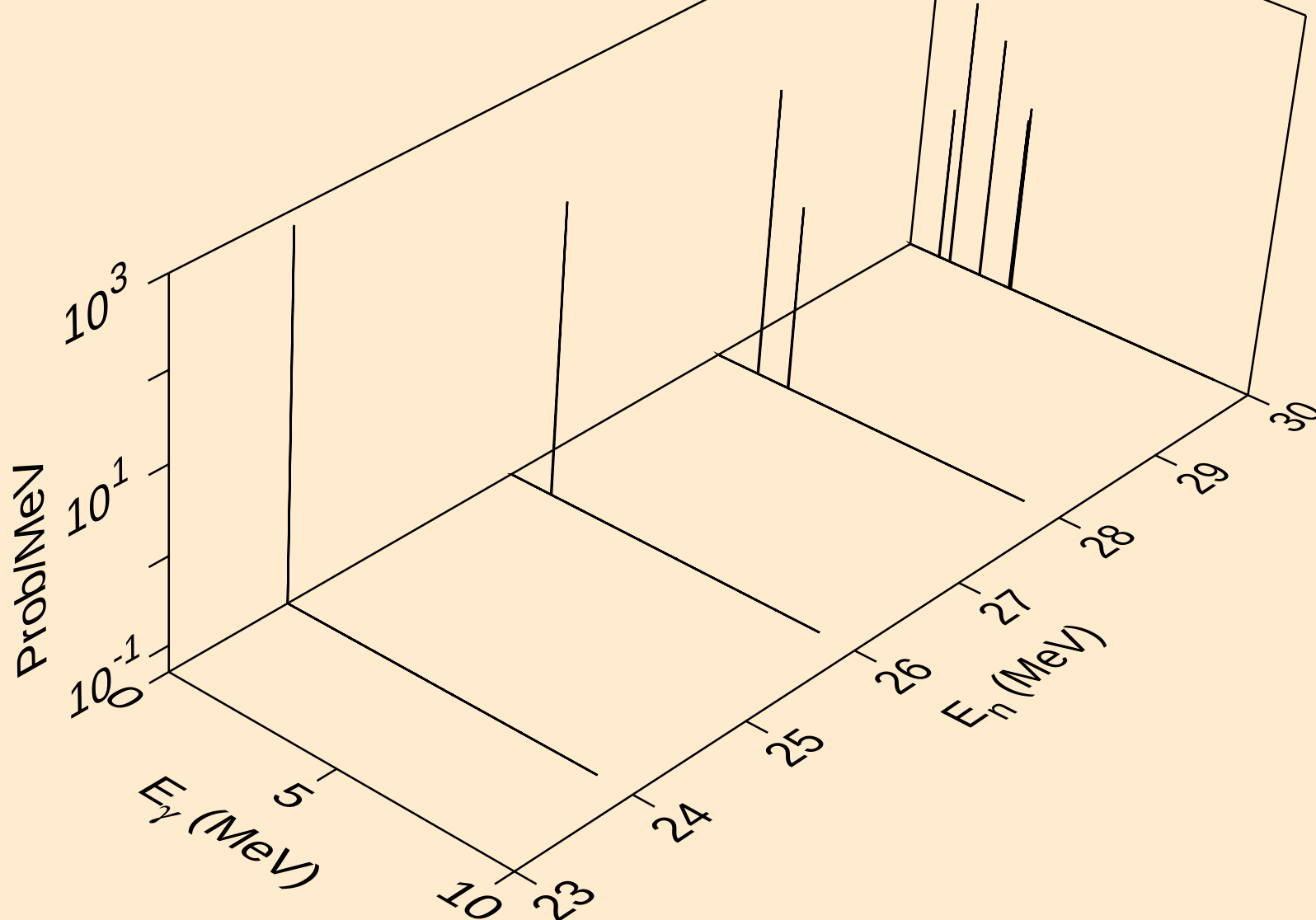
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Photon emission for (n,a)



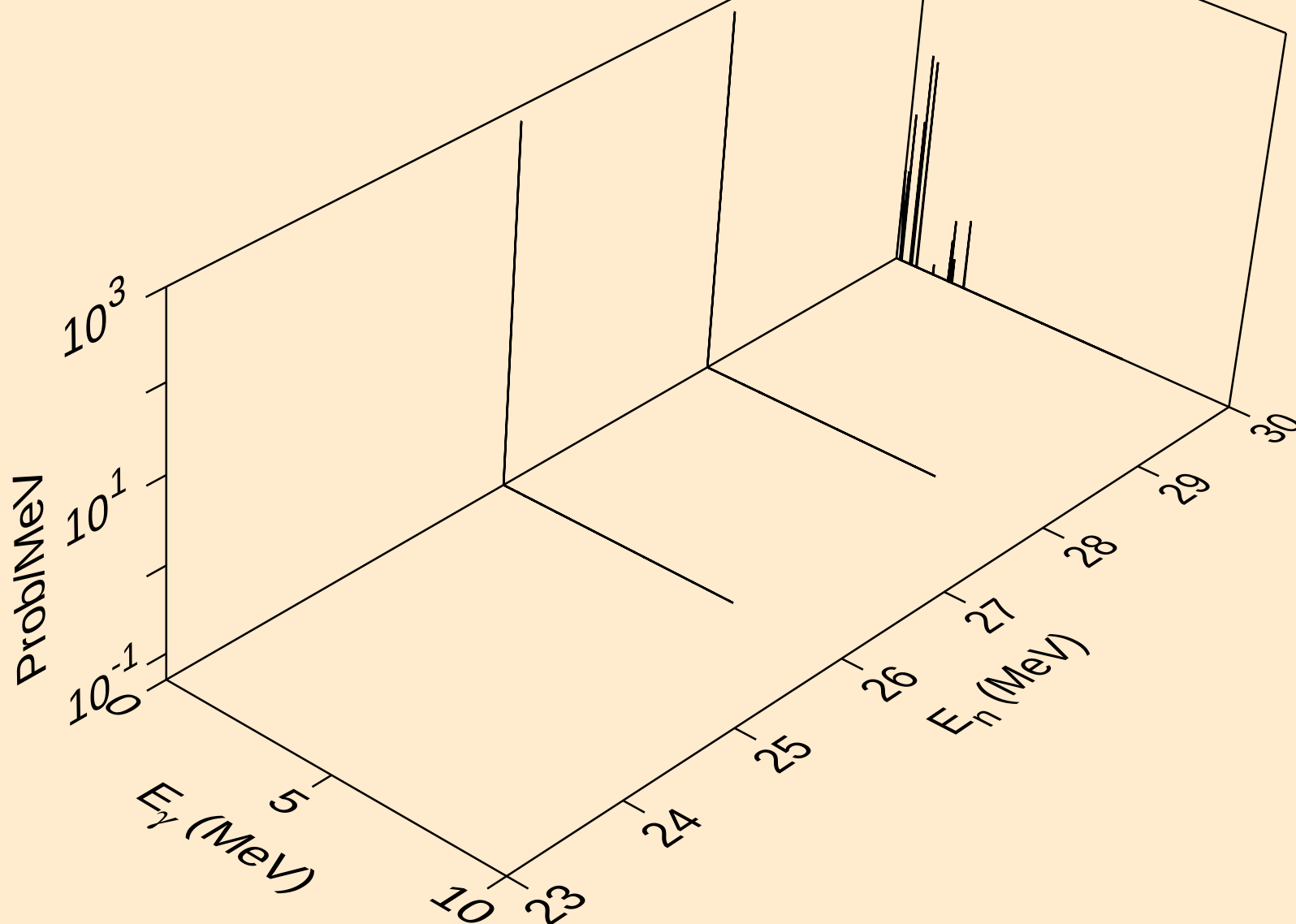
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Photon emission for (n,2a)



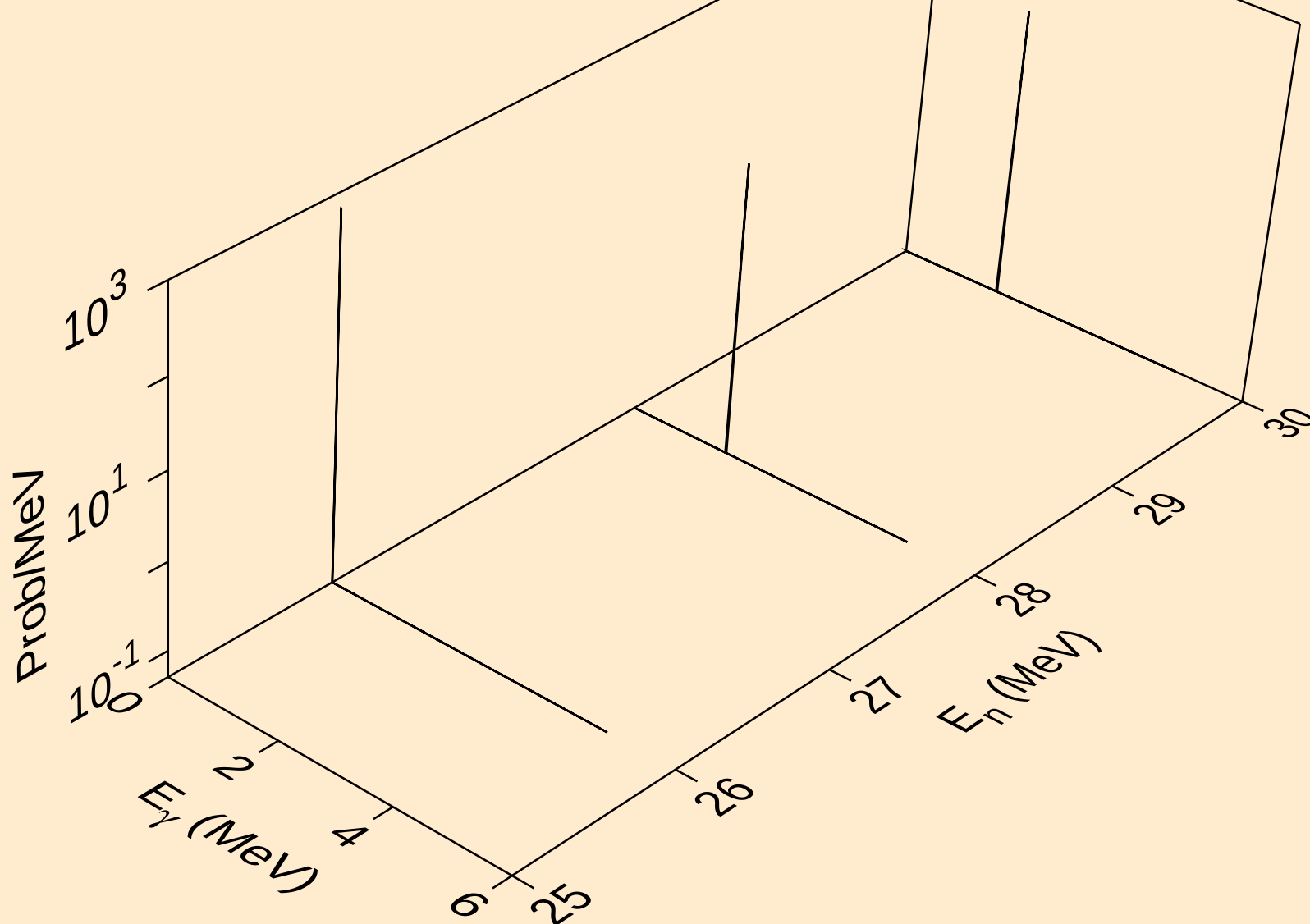
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Photon emission for (n,2p)



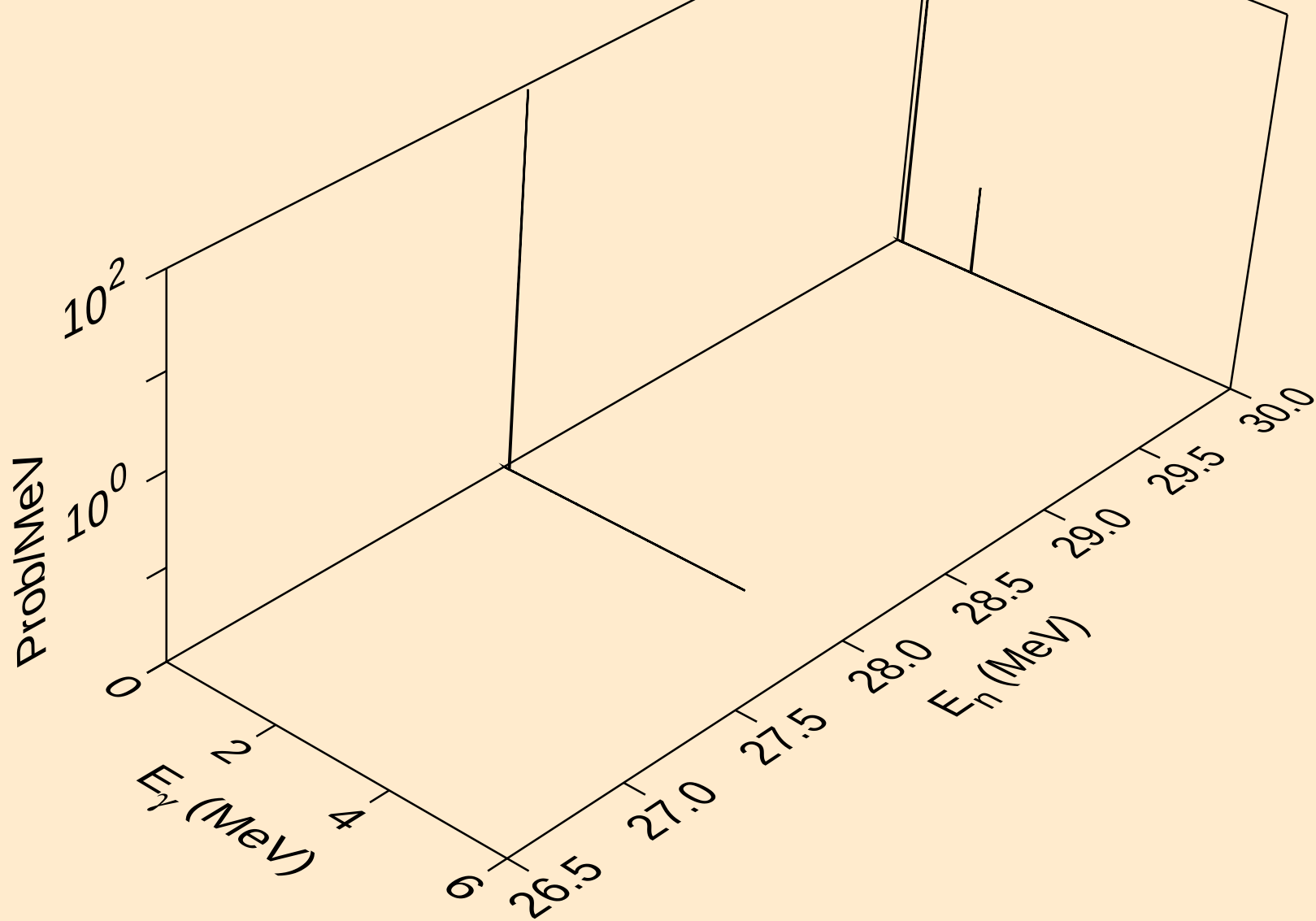
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Photon emission for (n,p $\alpha$ )



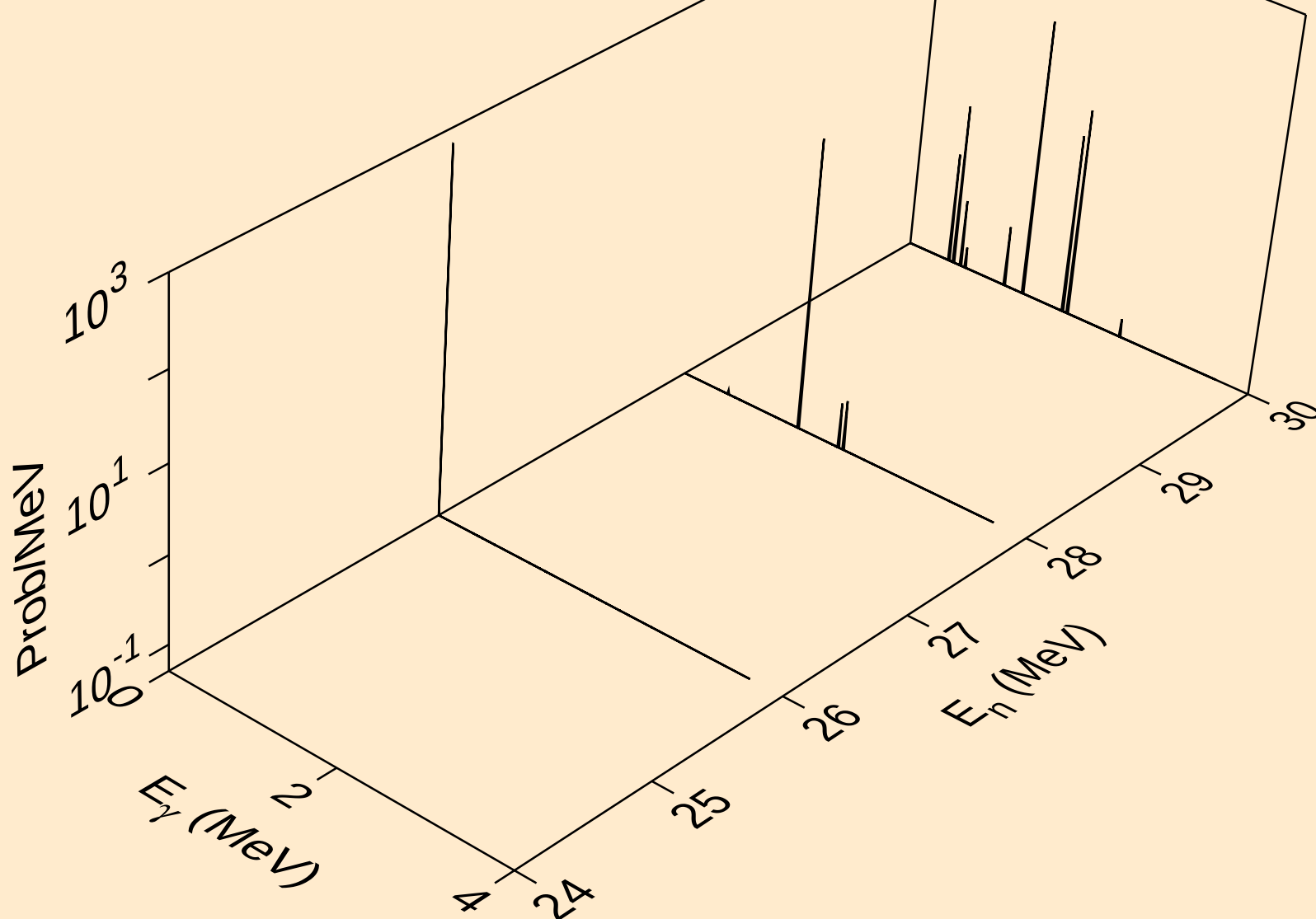
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Photon emission for (n,pd)



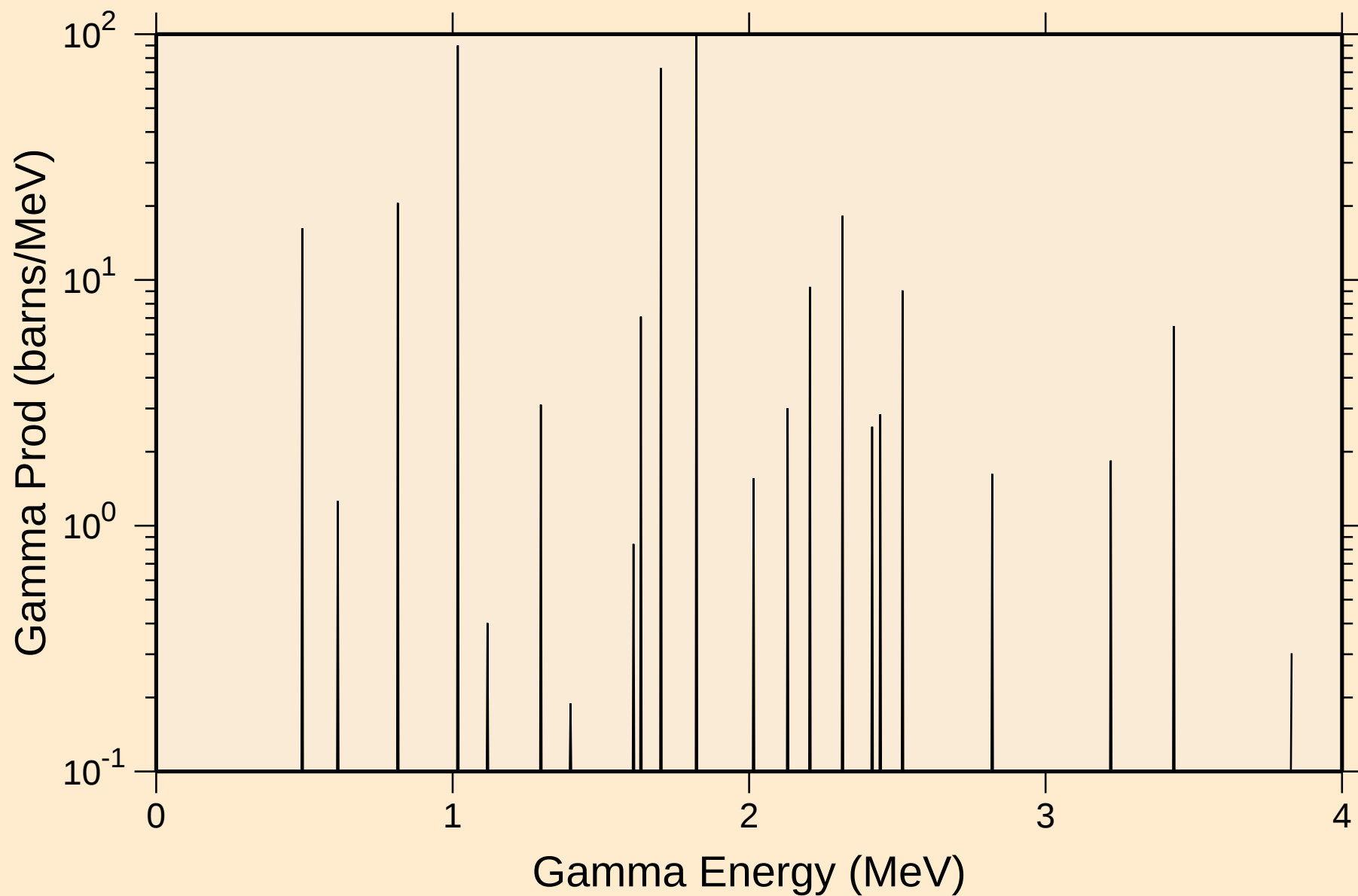
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Photon emission for (n,pt)



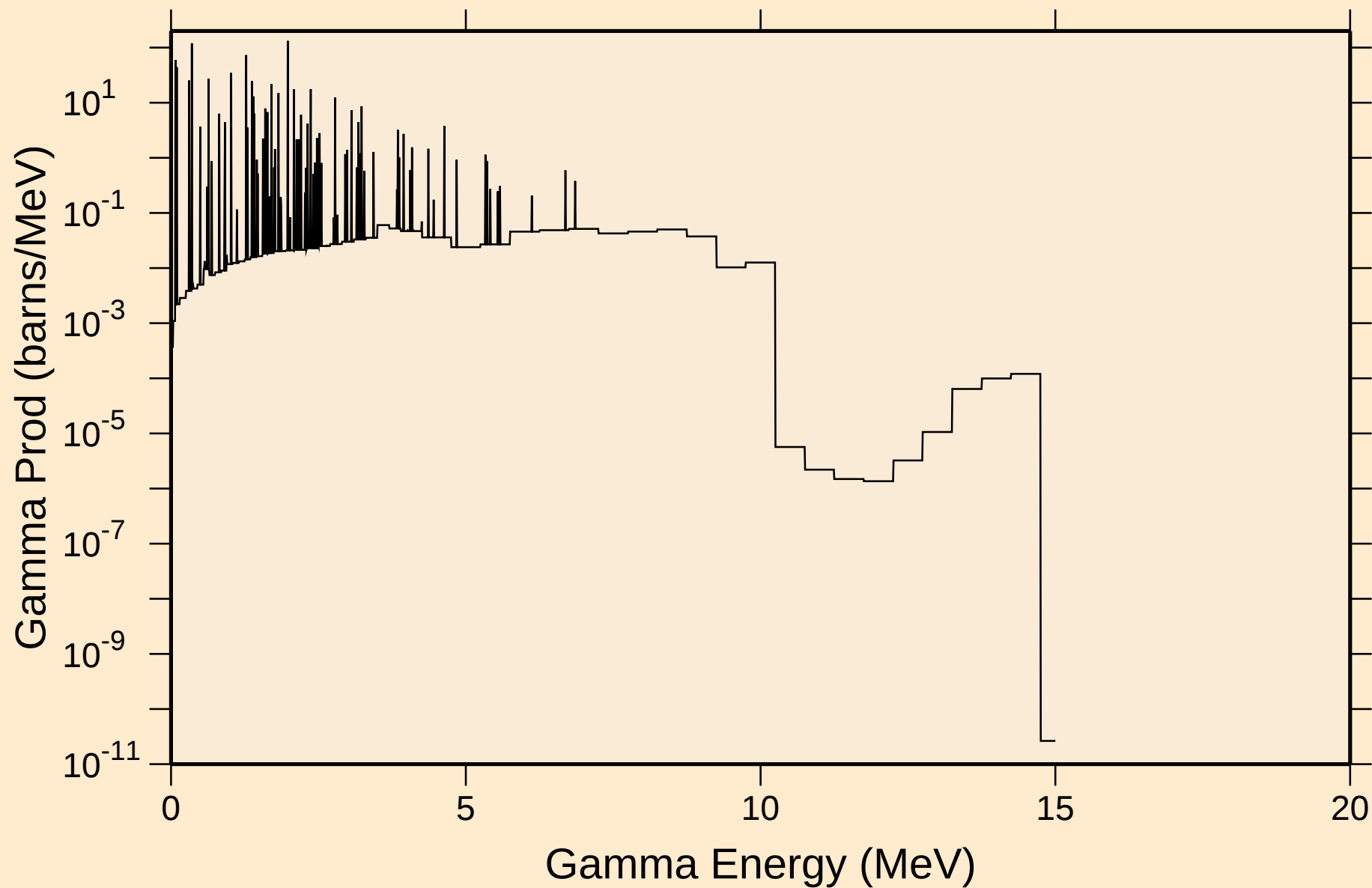
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Photon emission for (n,da)



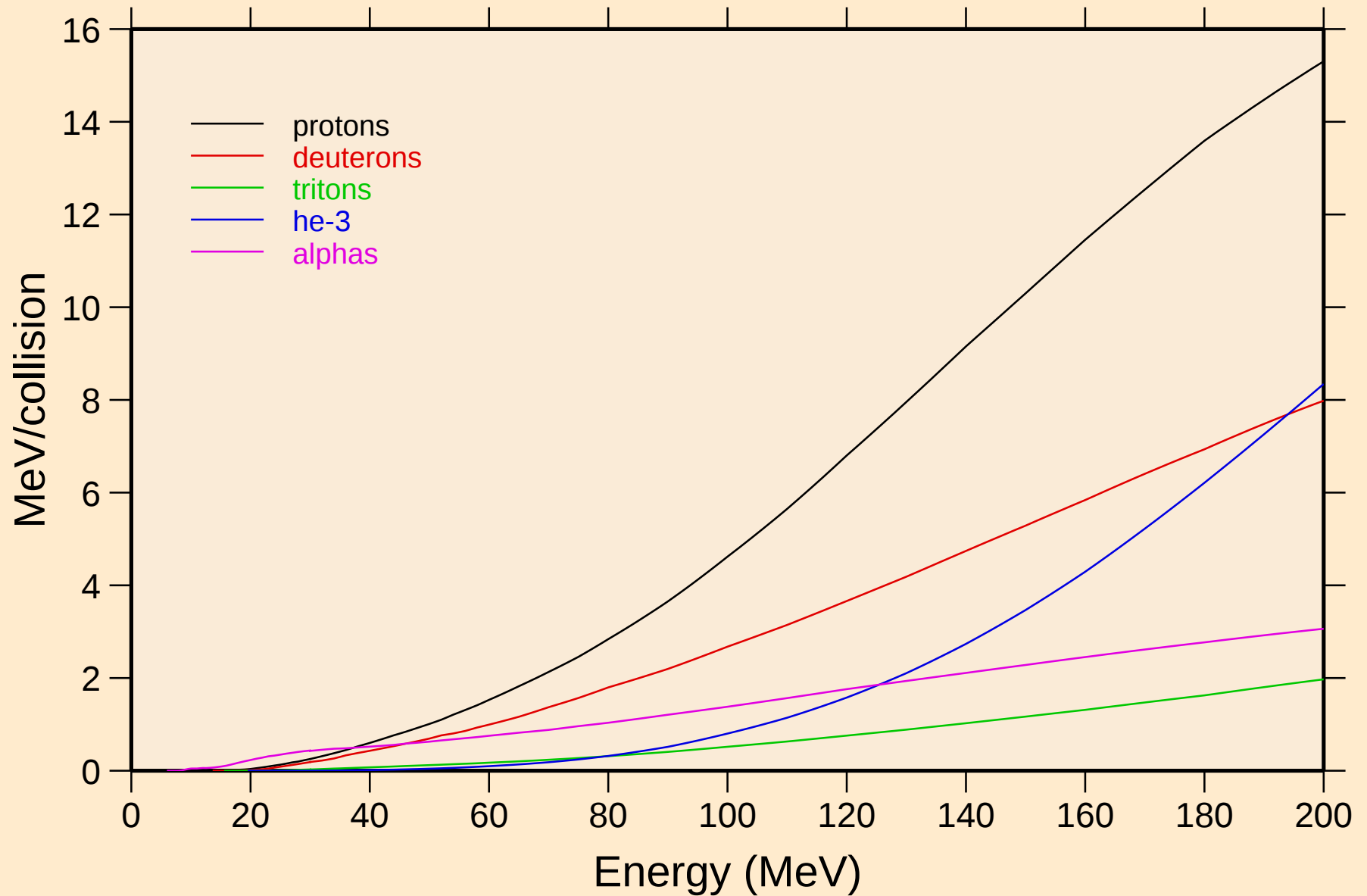
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thermal capture photon spectrum



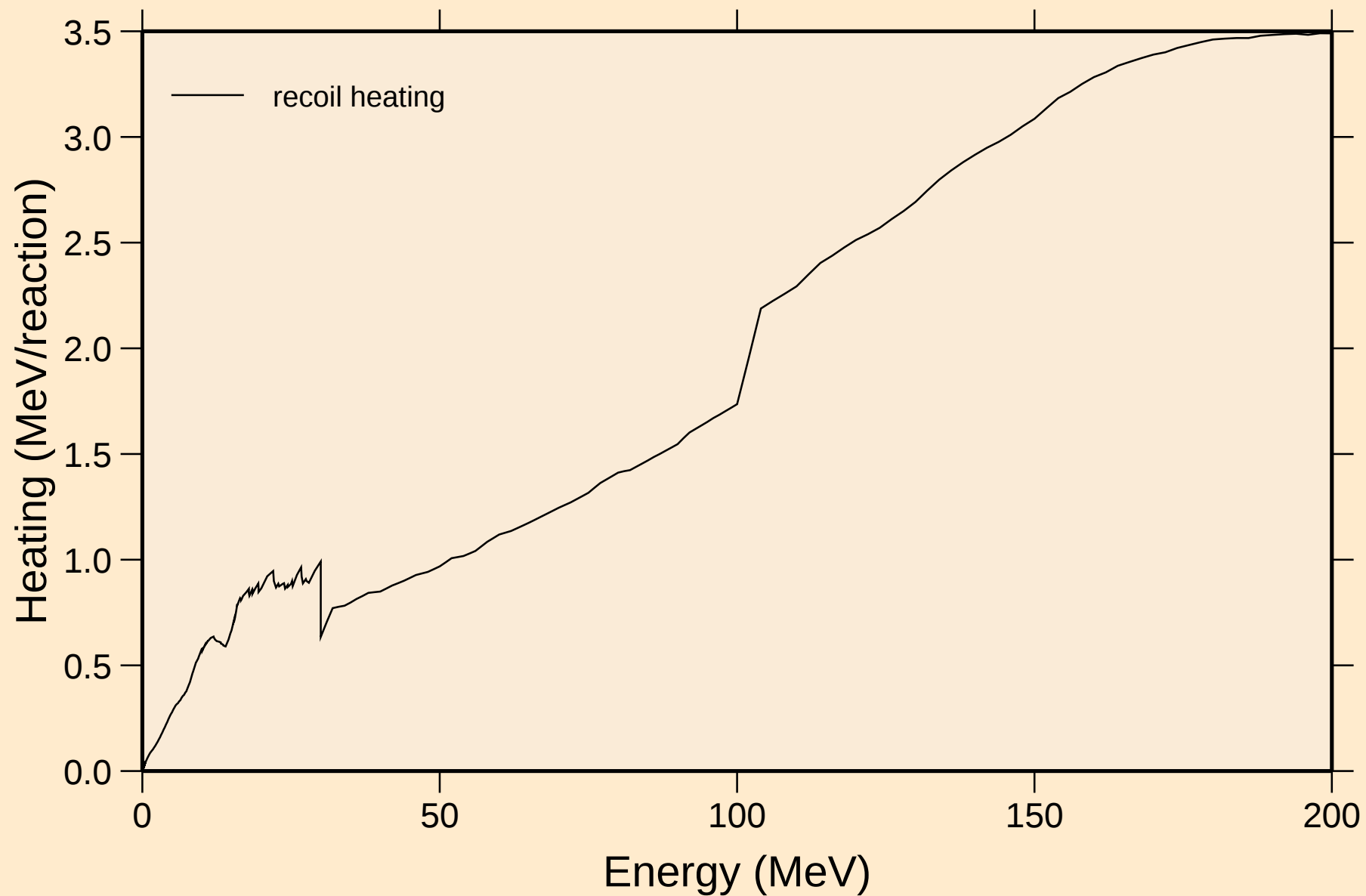
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14 MeV photon spectrum



NE022 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Particle heating contributions

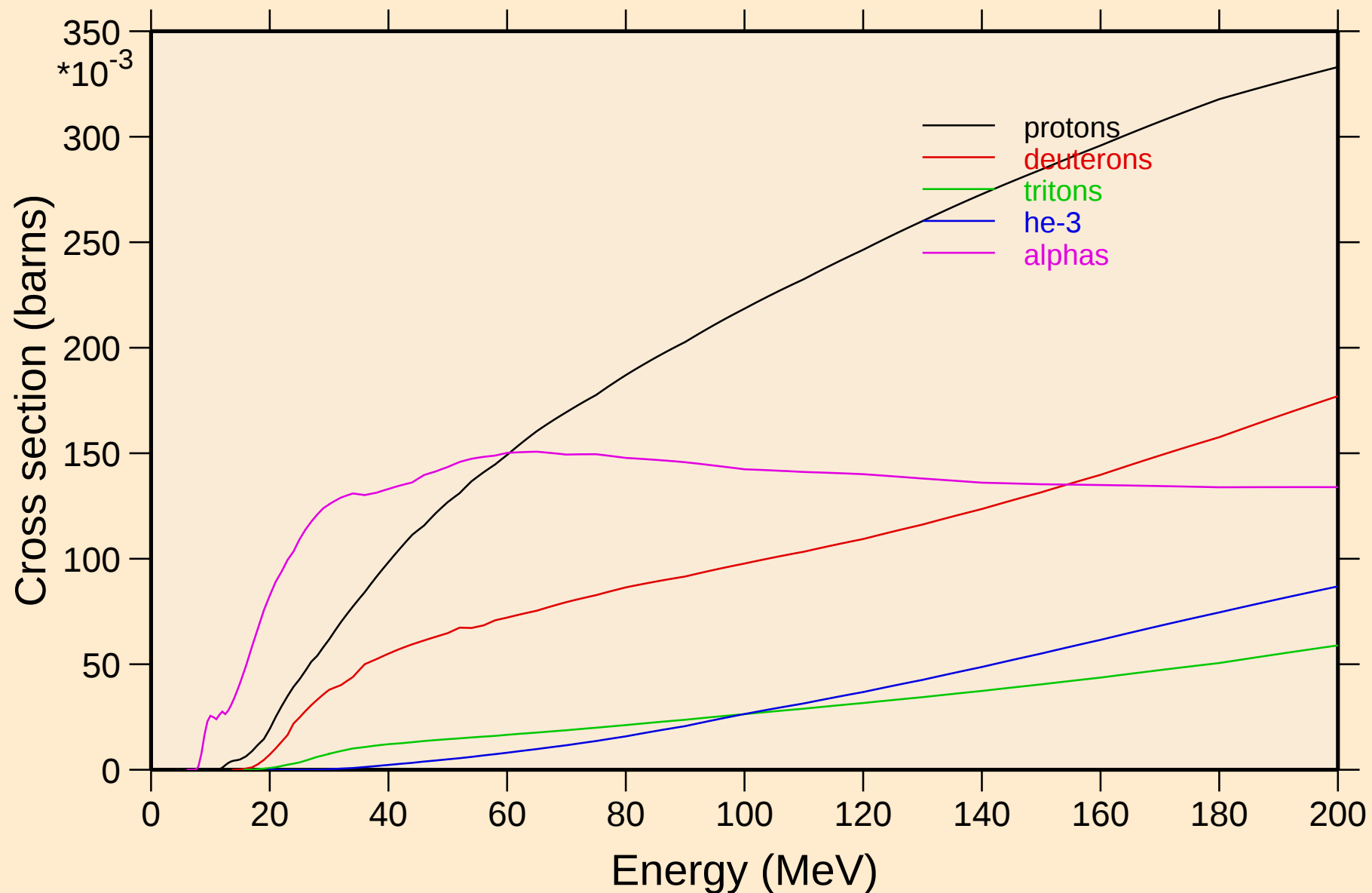


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Recoil Heating

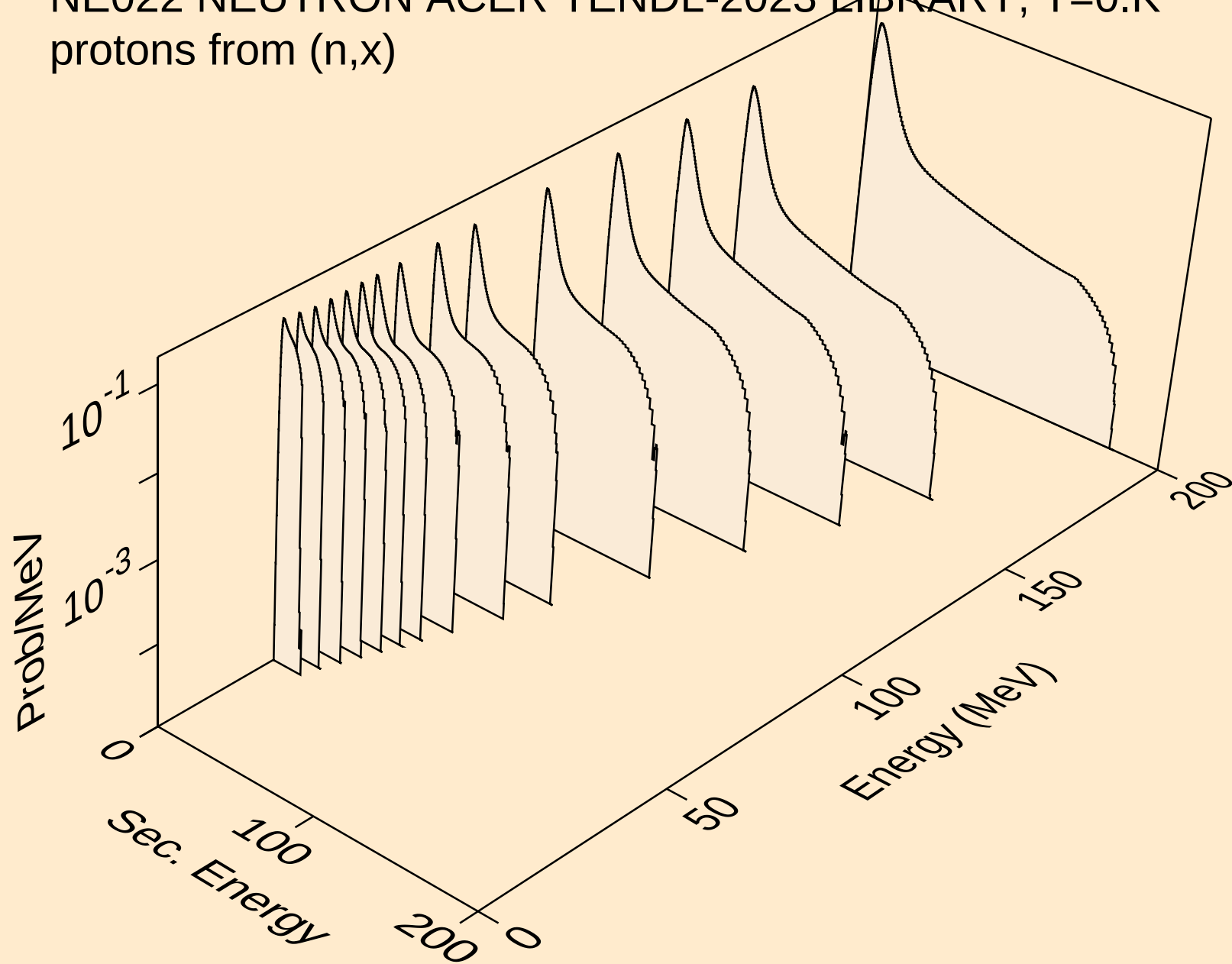


# NE022 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

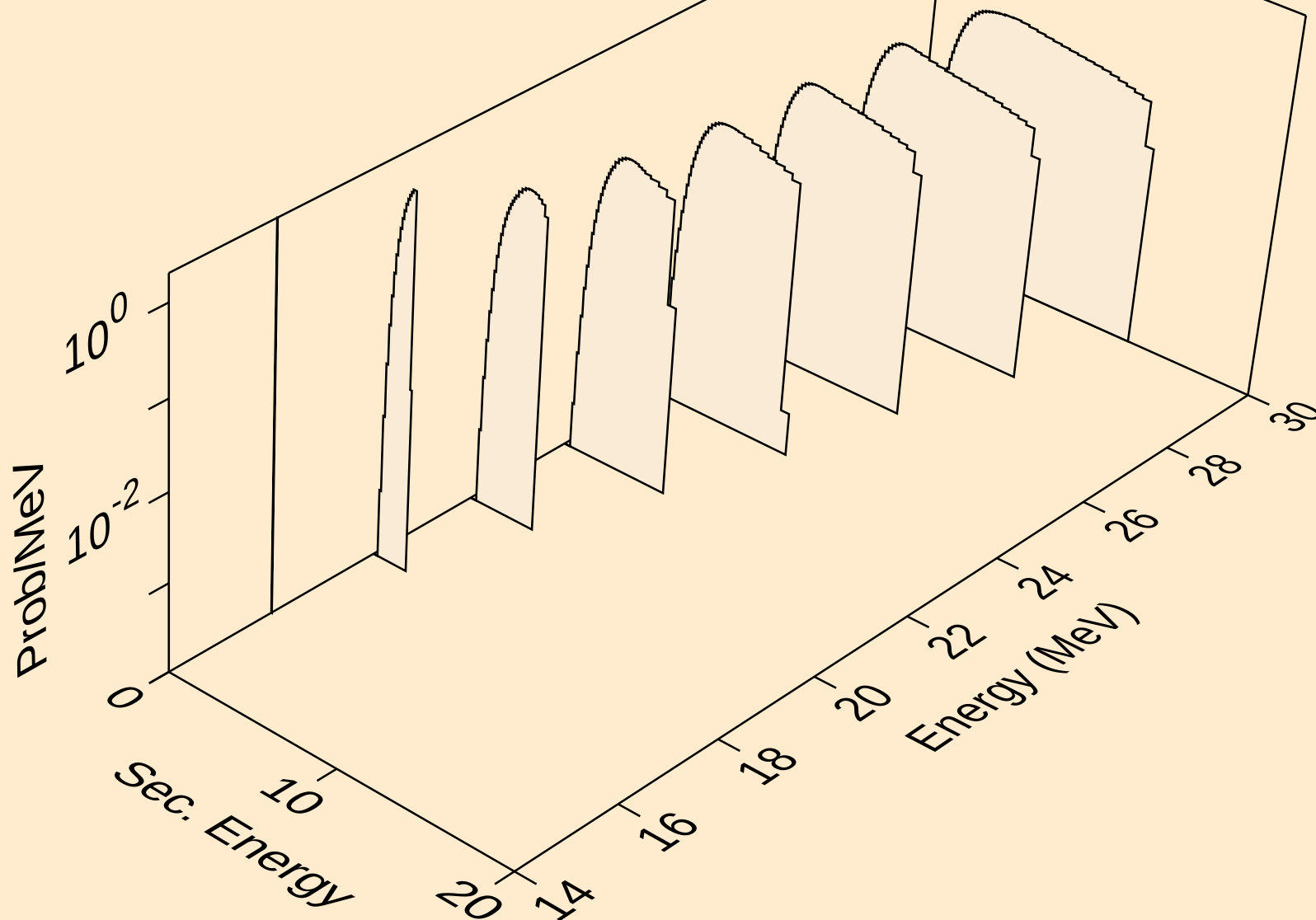
## Particle production cross sections



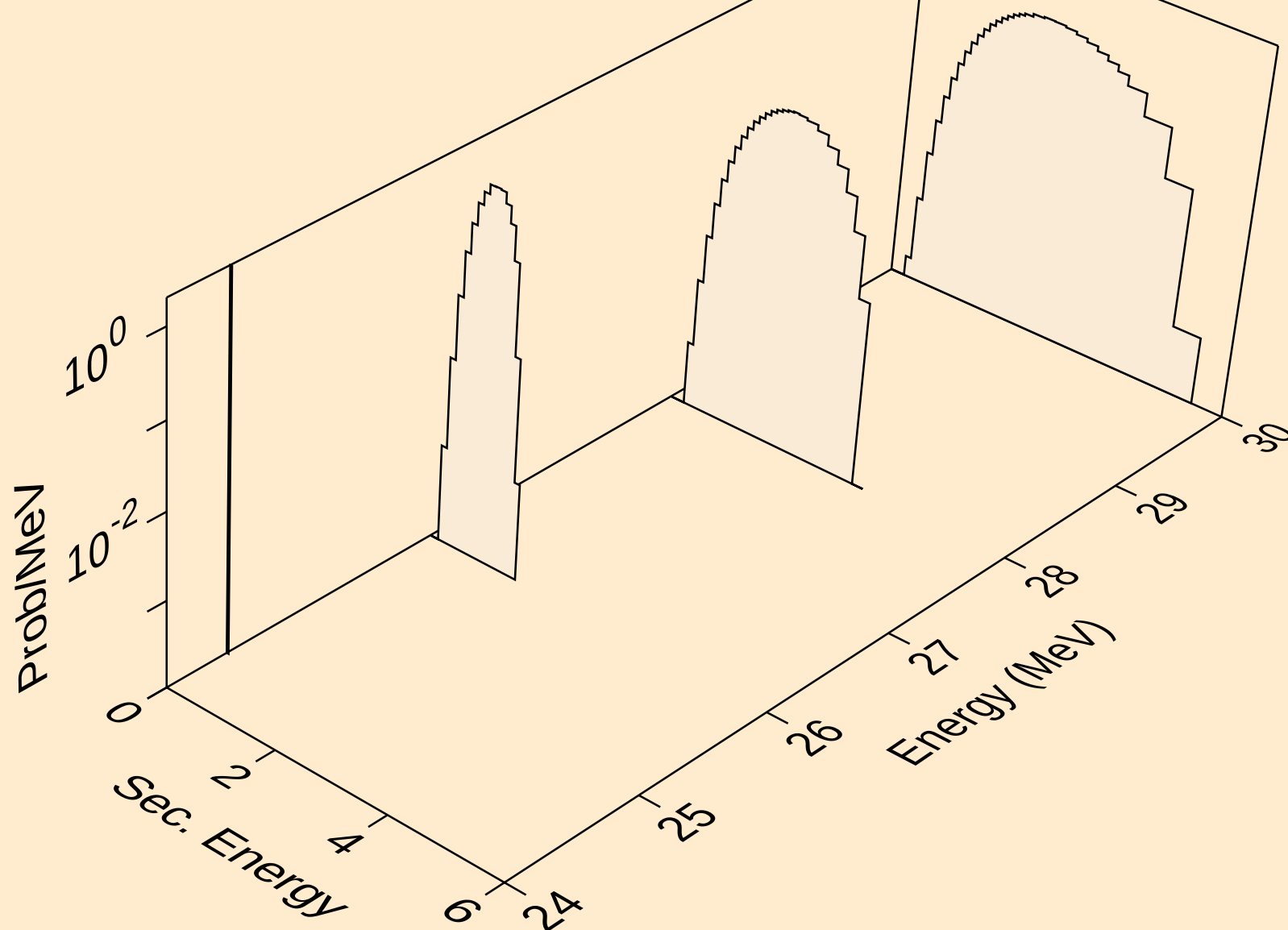
NE022 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,x)



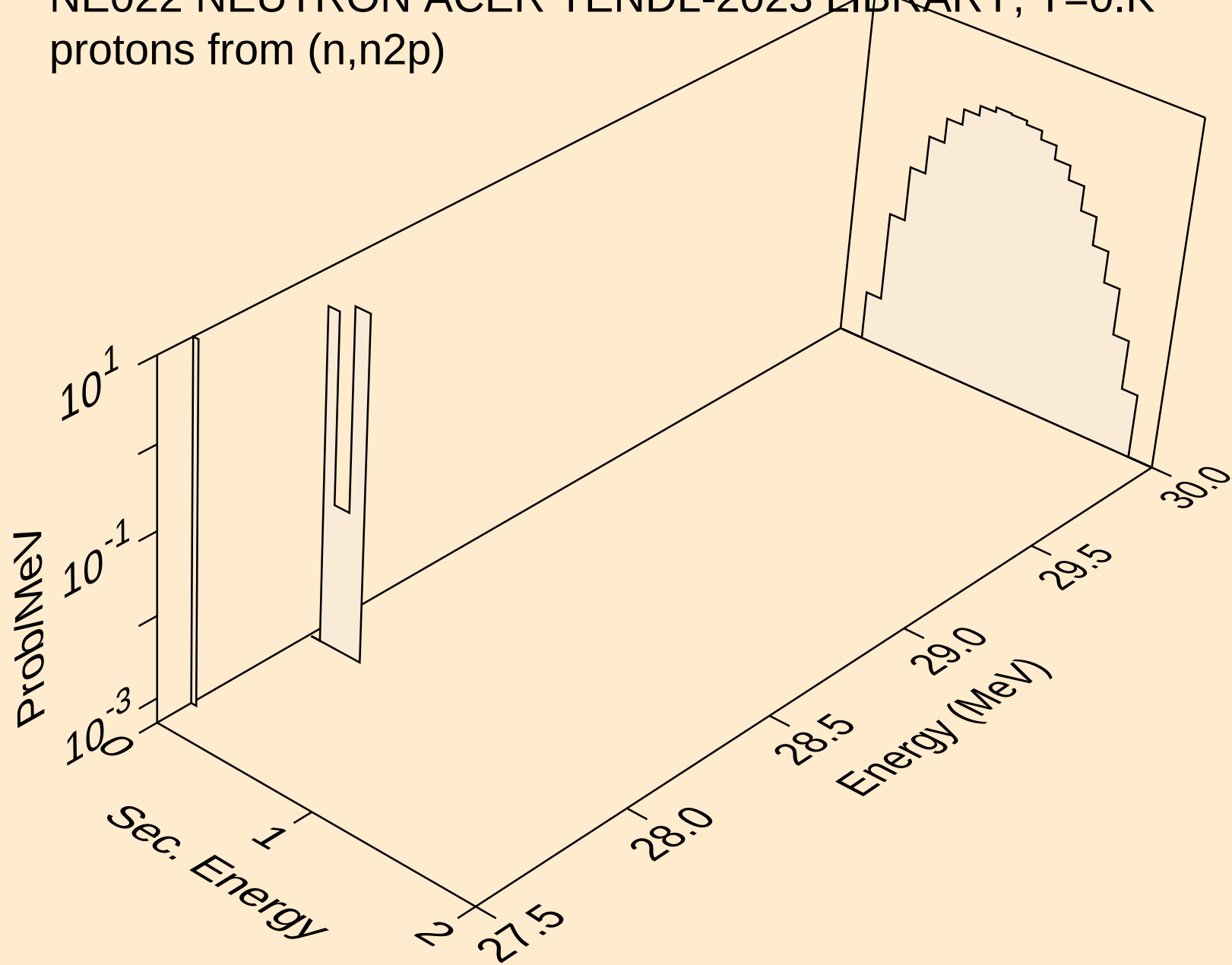
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protons from (n,n\*)p



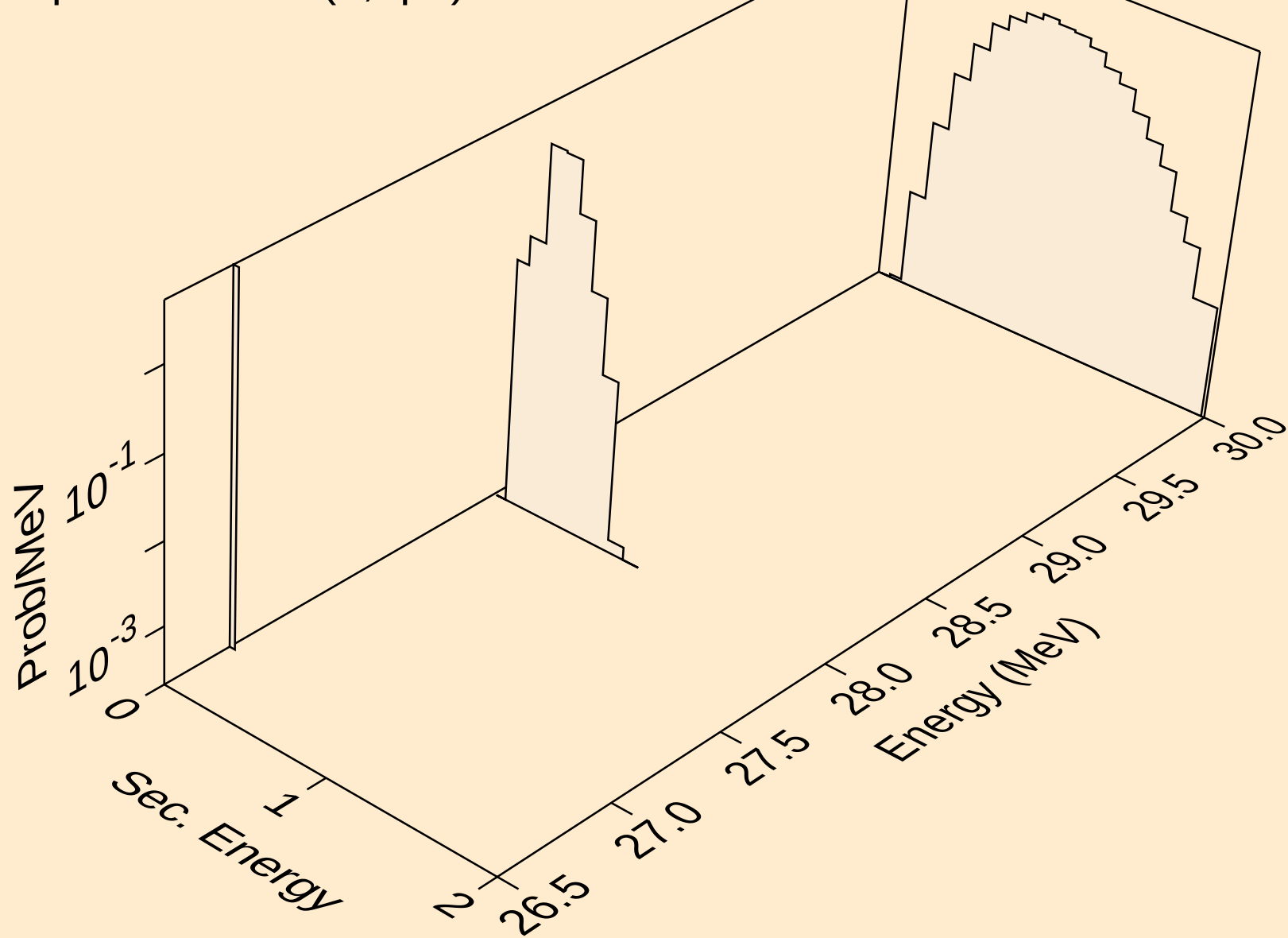
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protons from (n,2np)



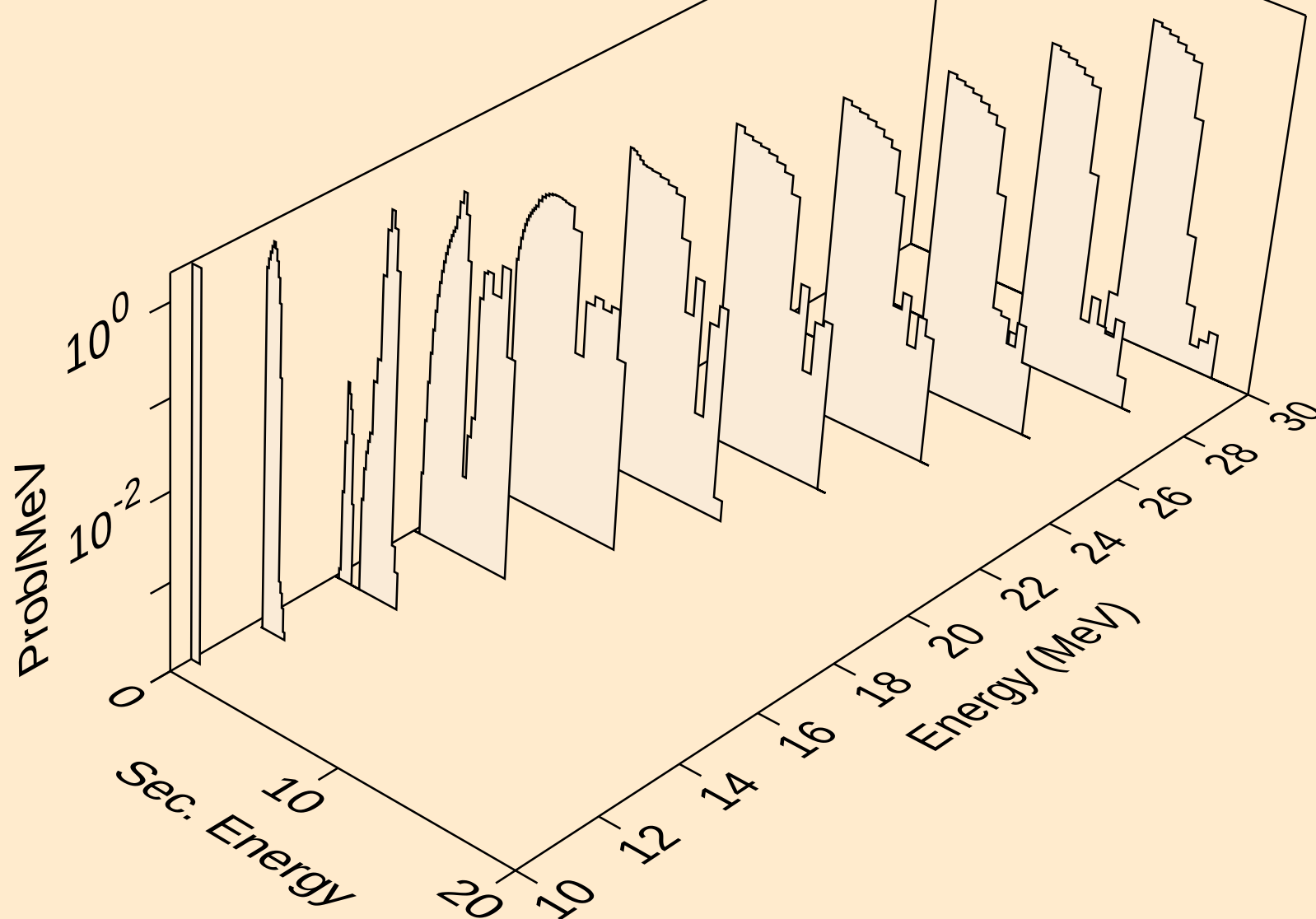
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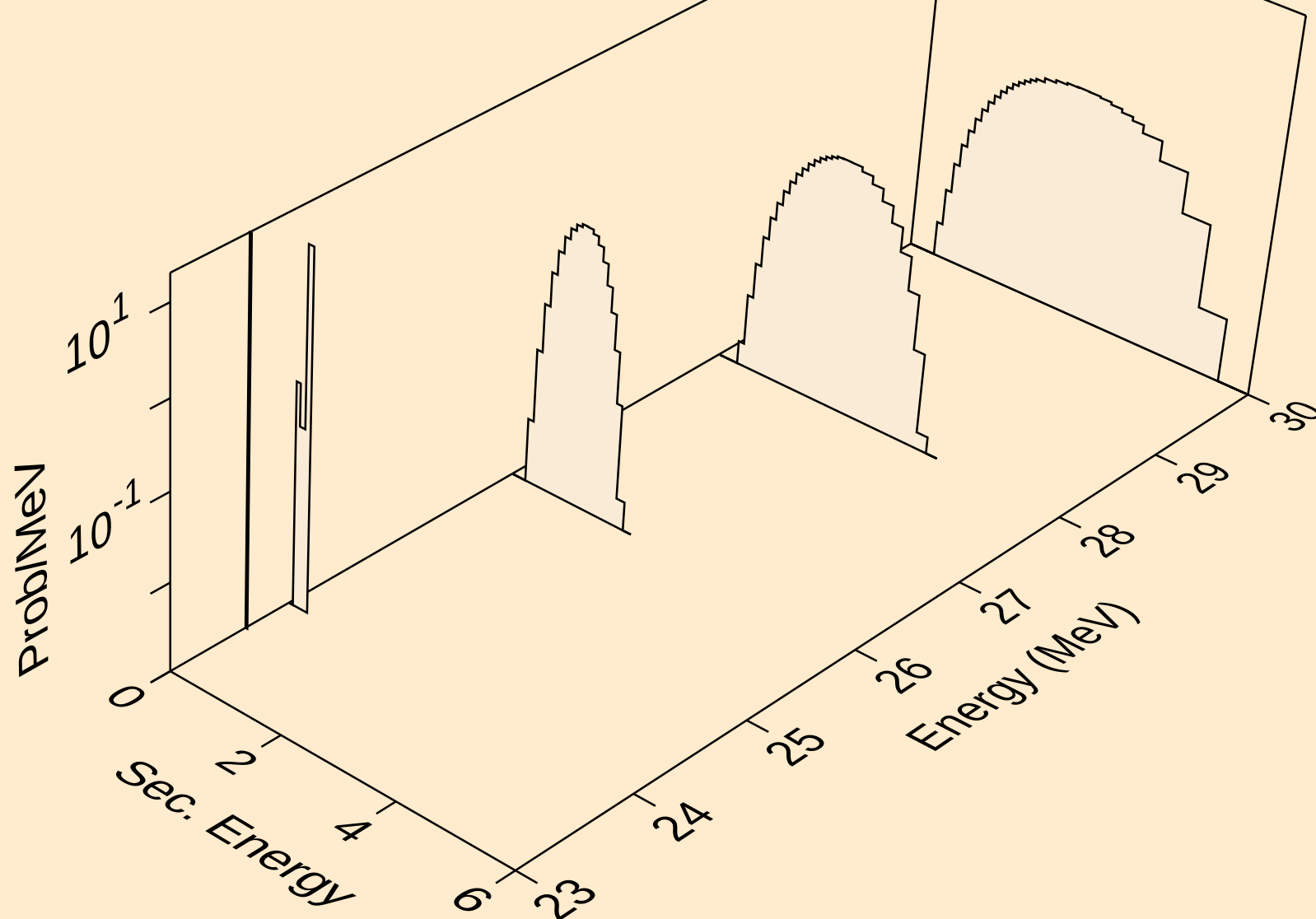
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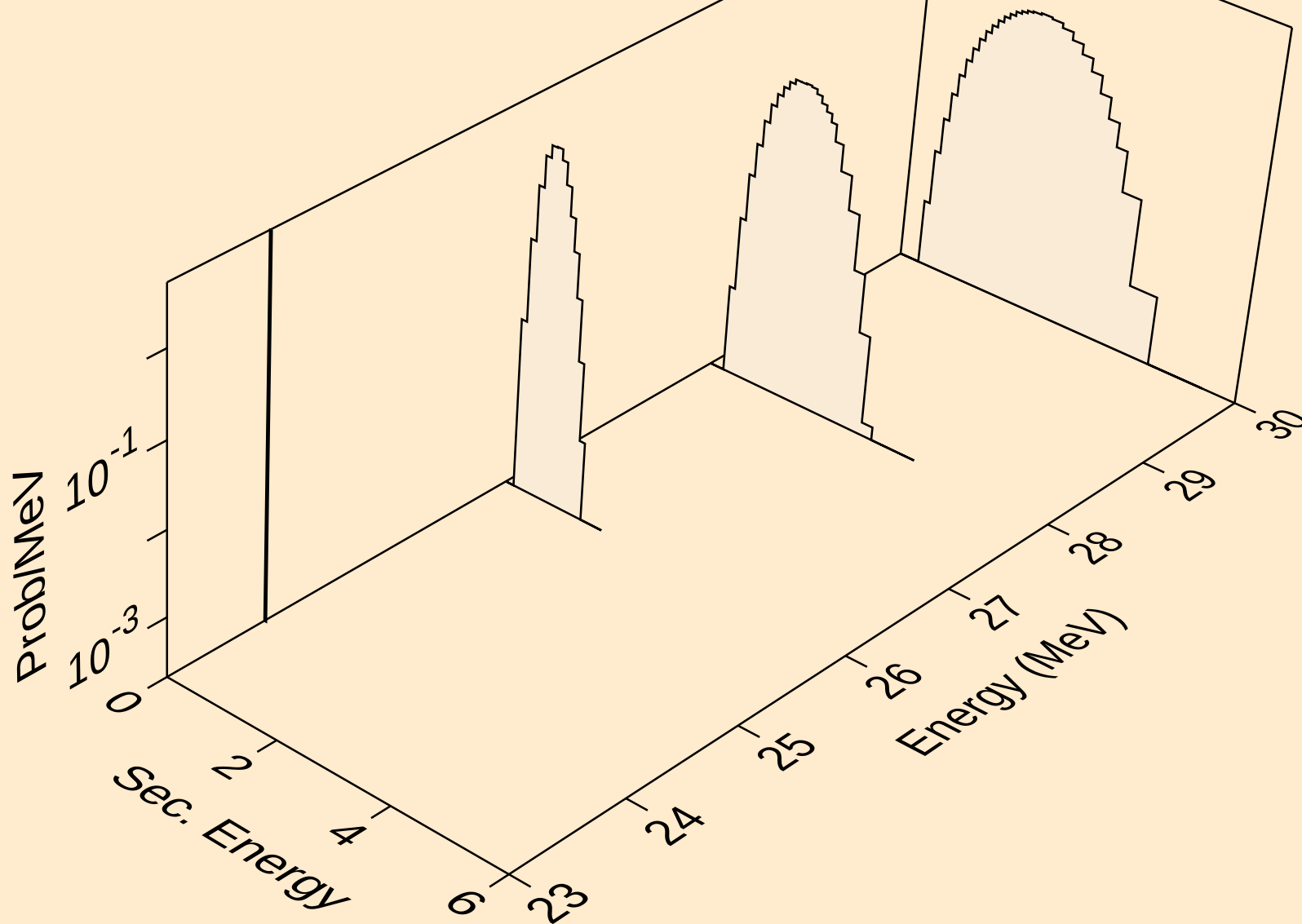
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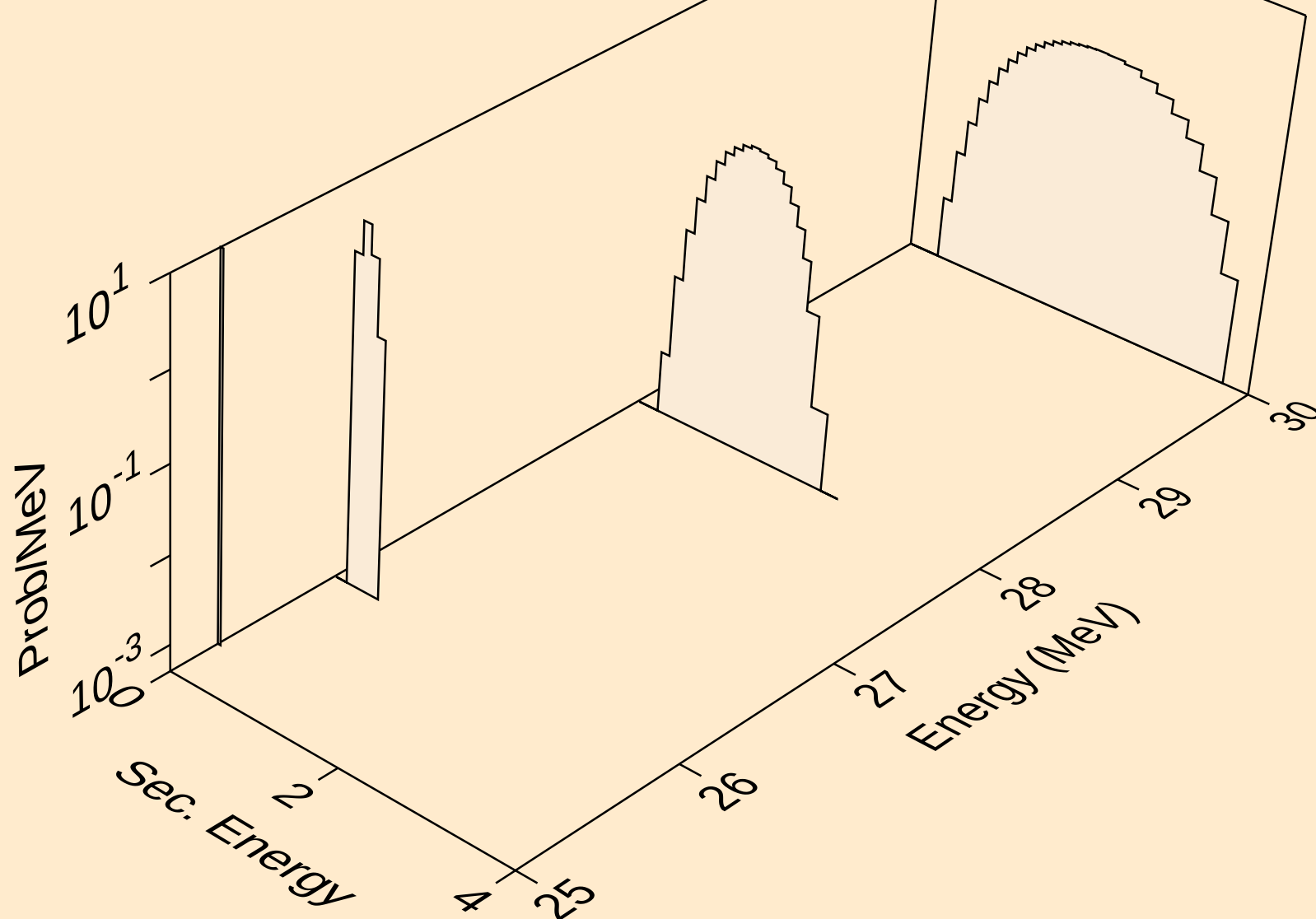
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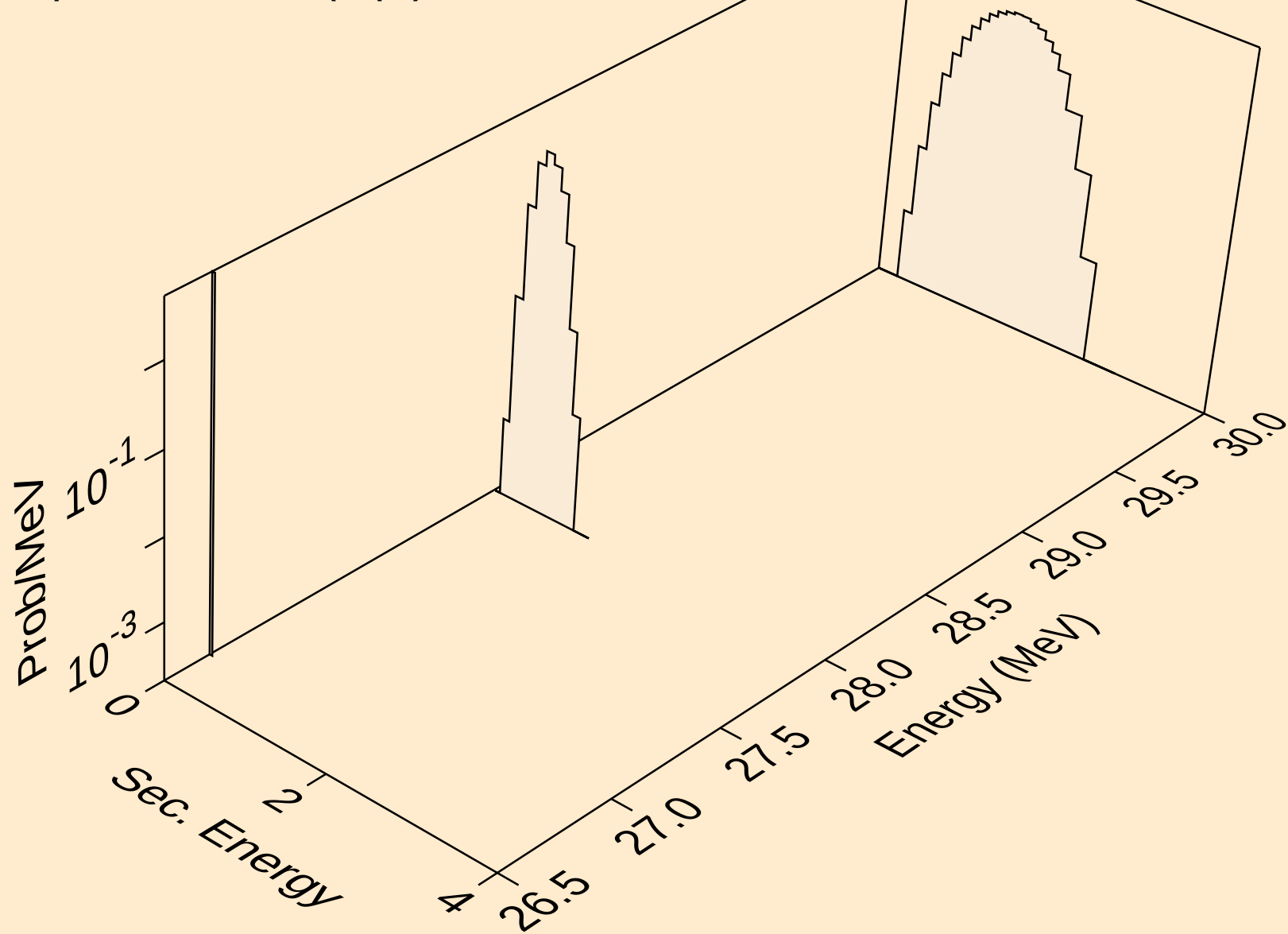
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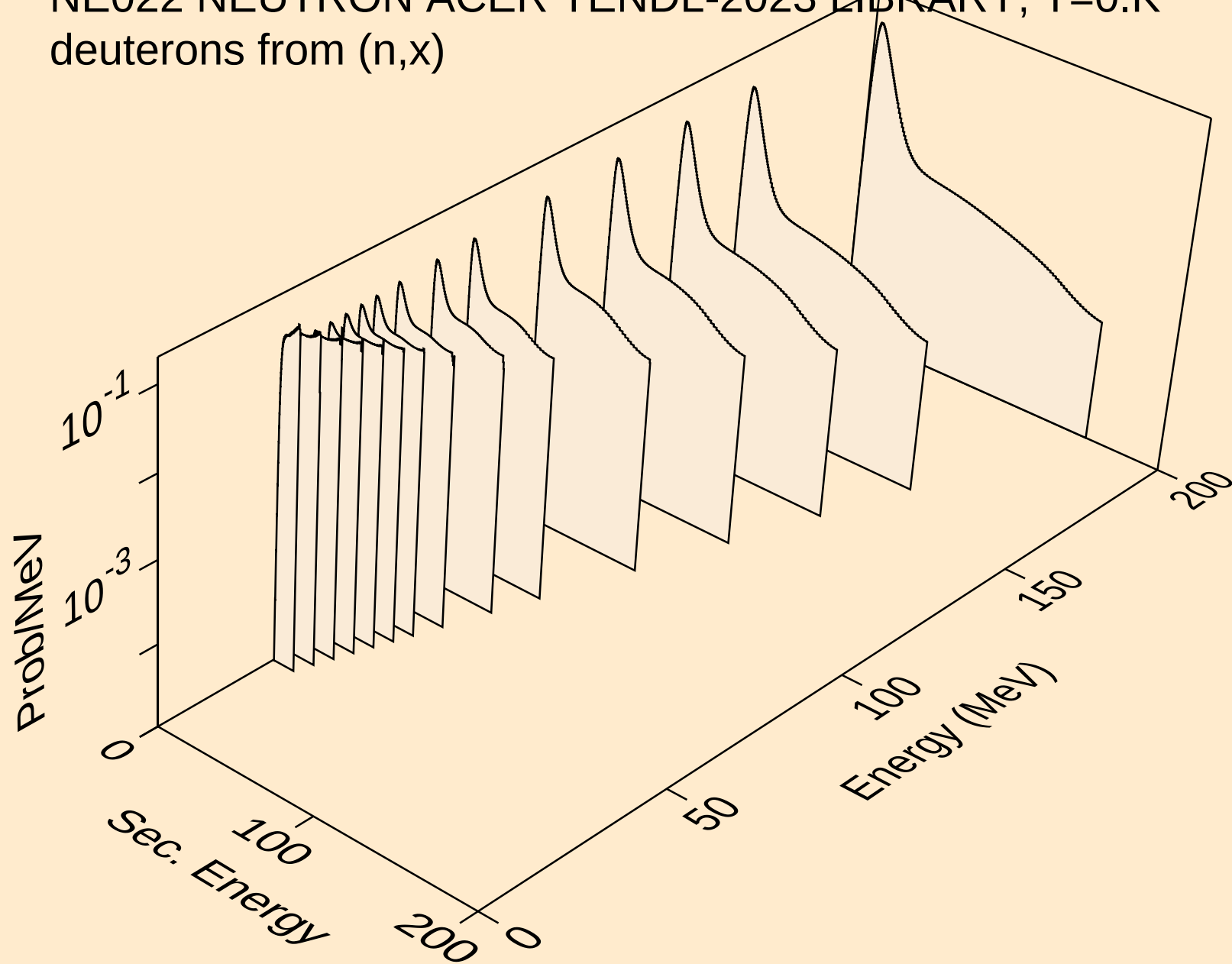
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protons from (n,pd)



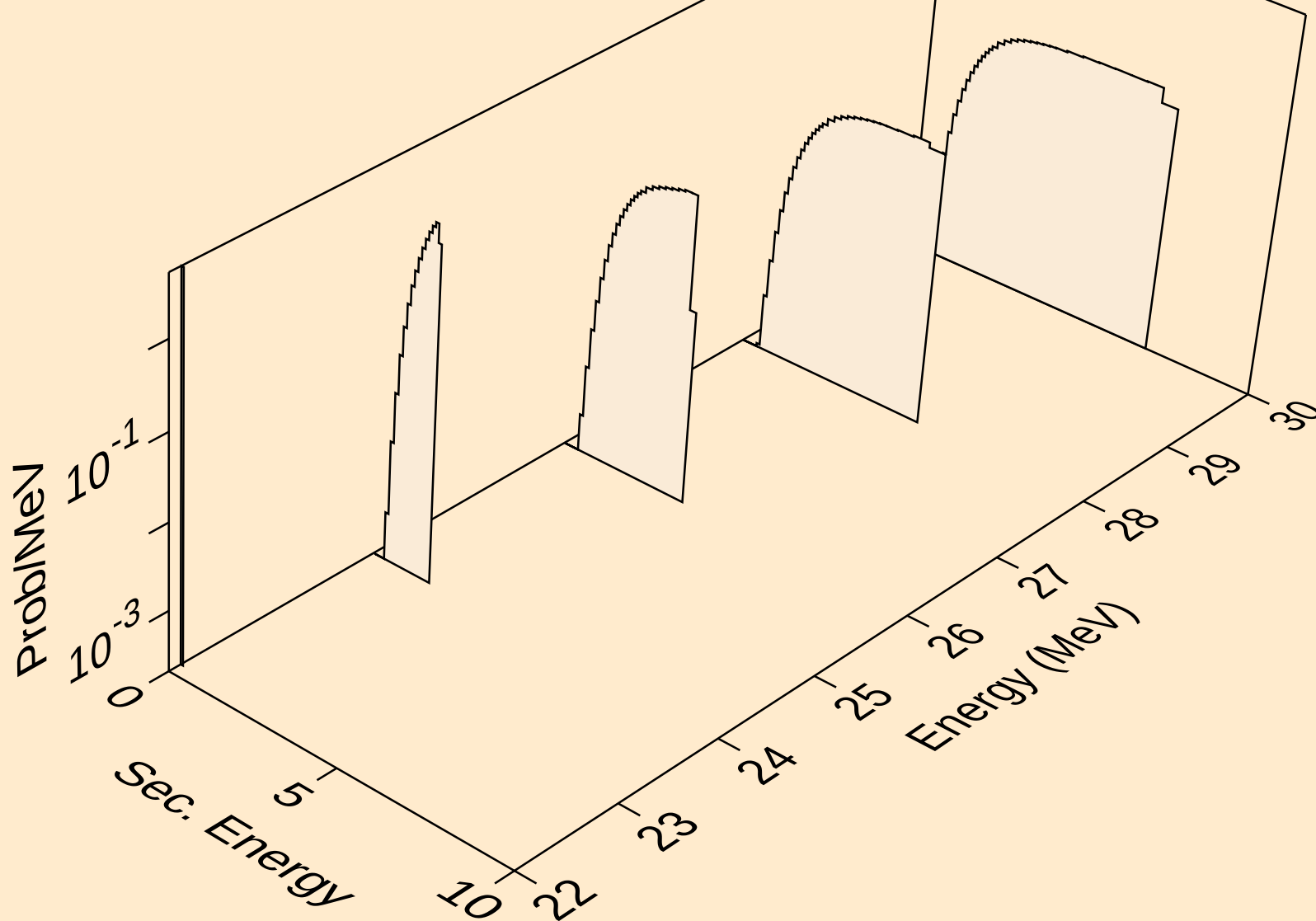
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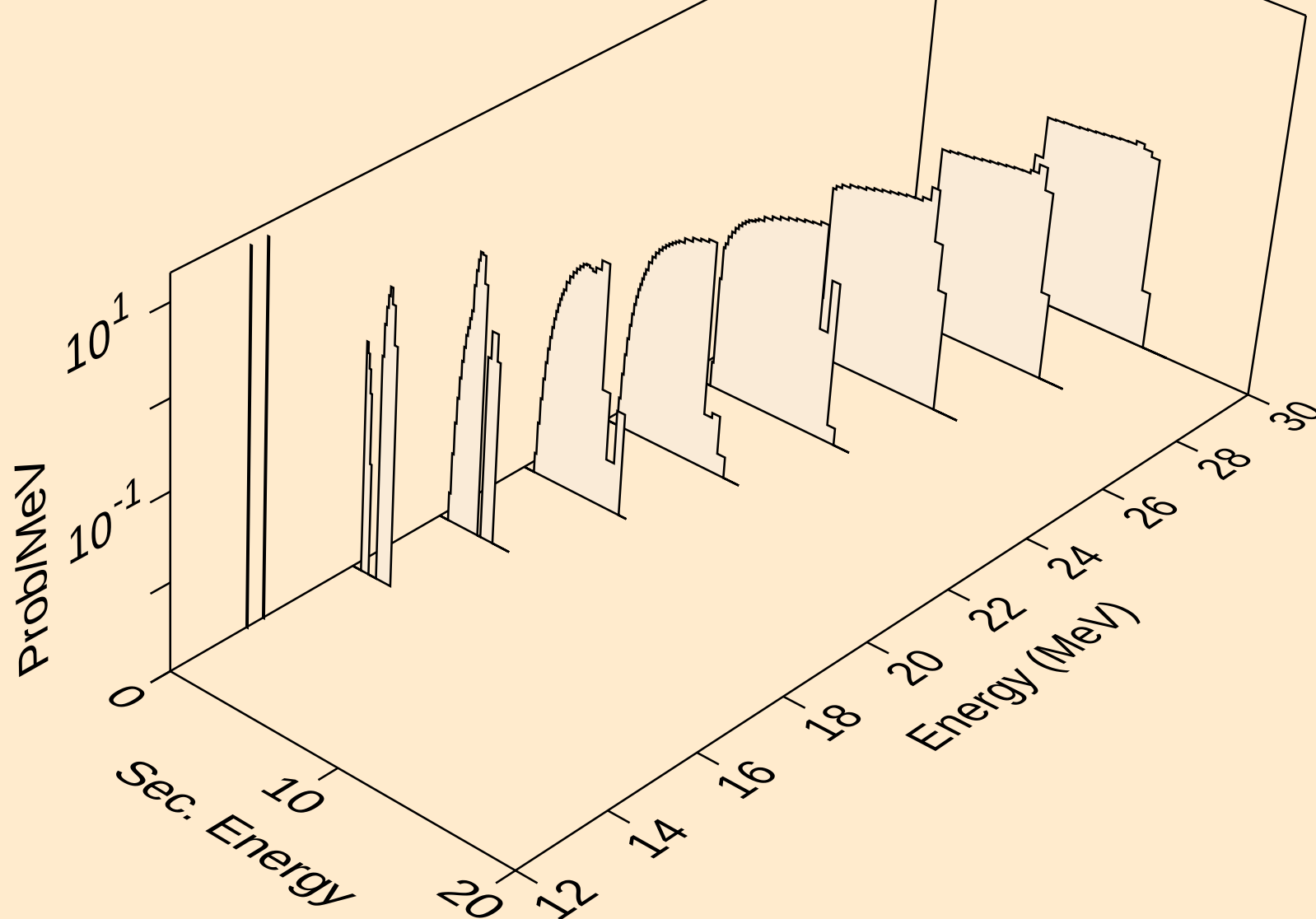
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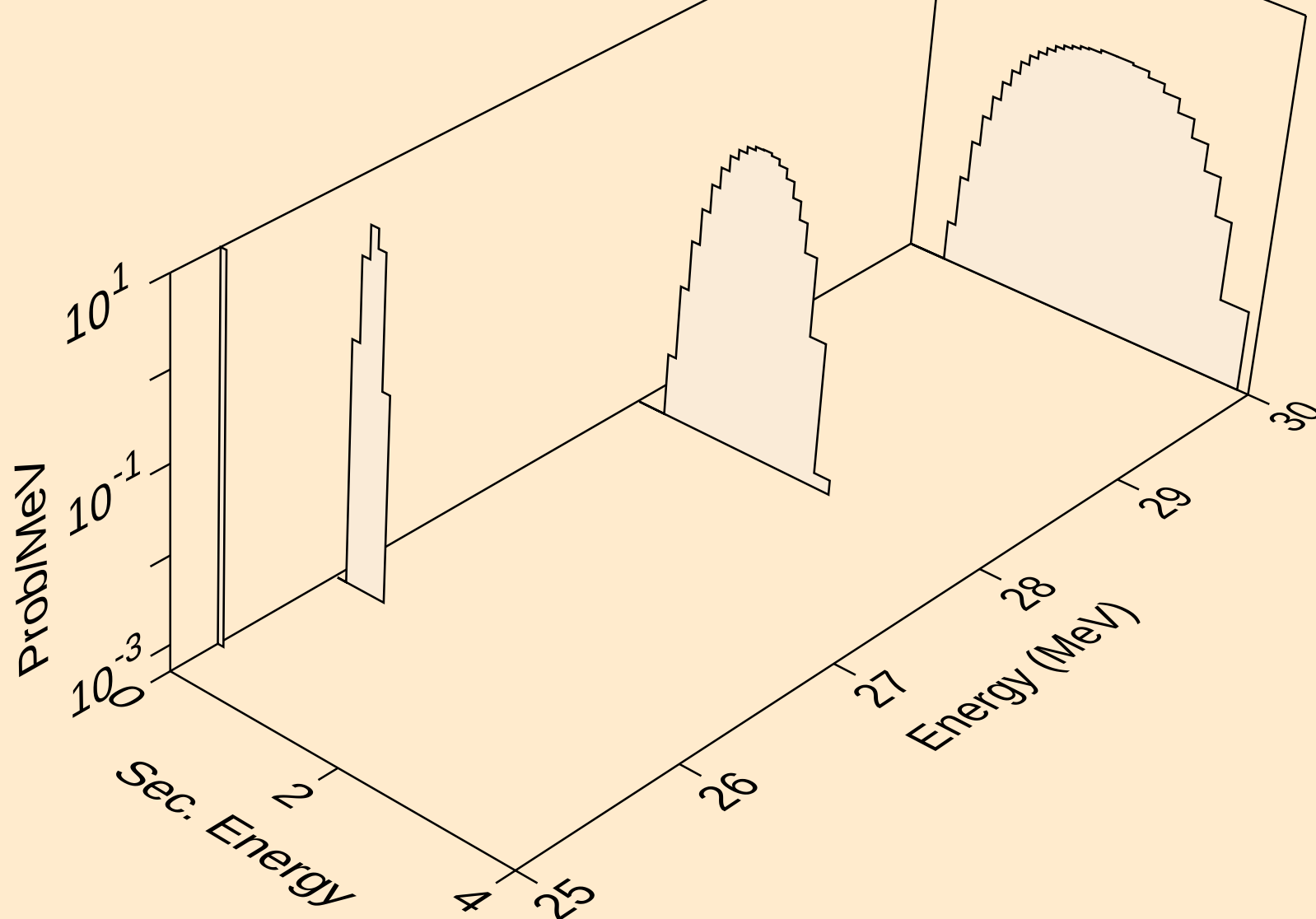
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deuterons from (n,n\*)d



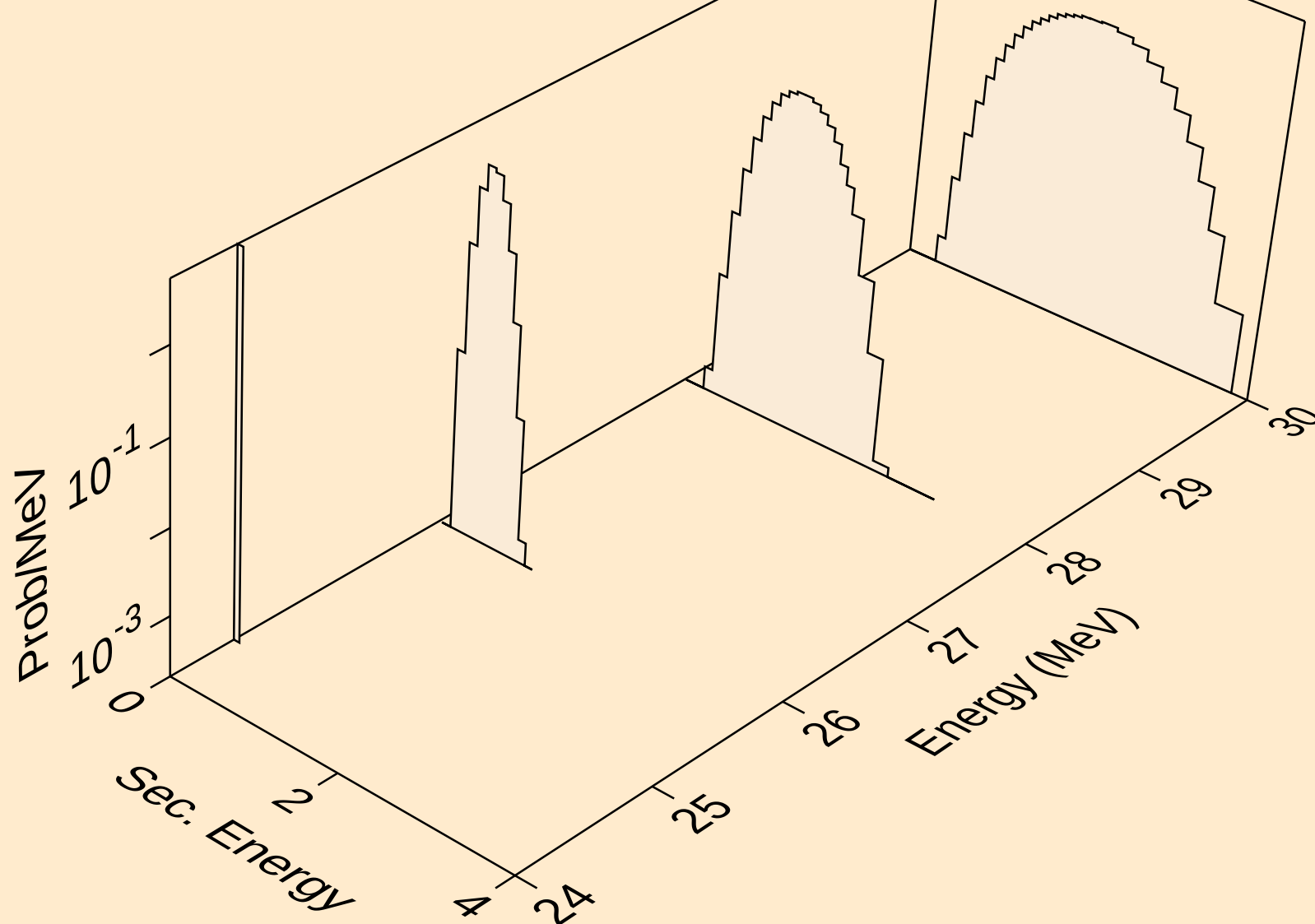
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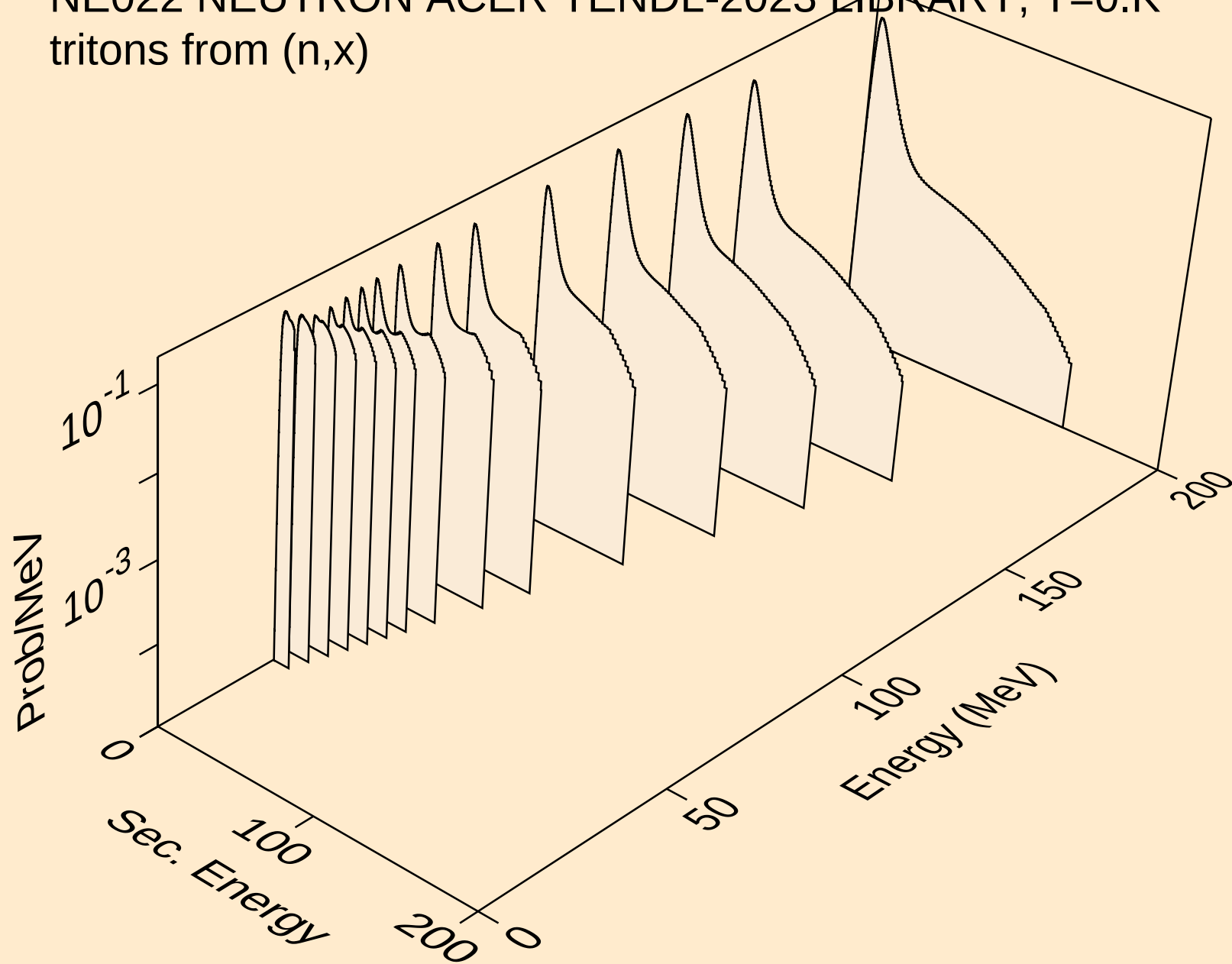
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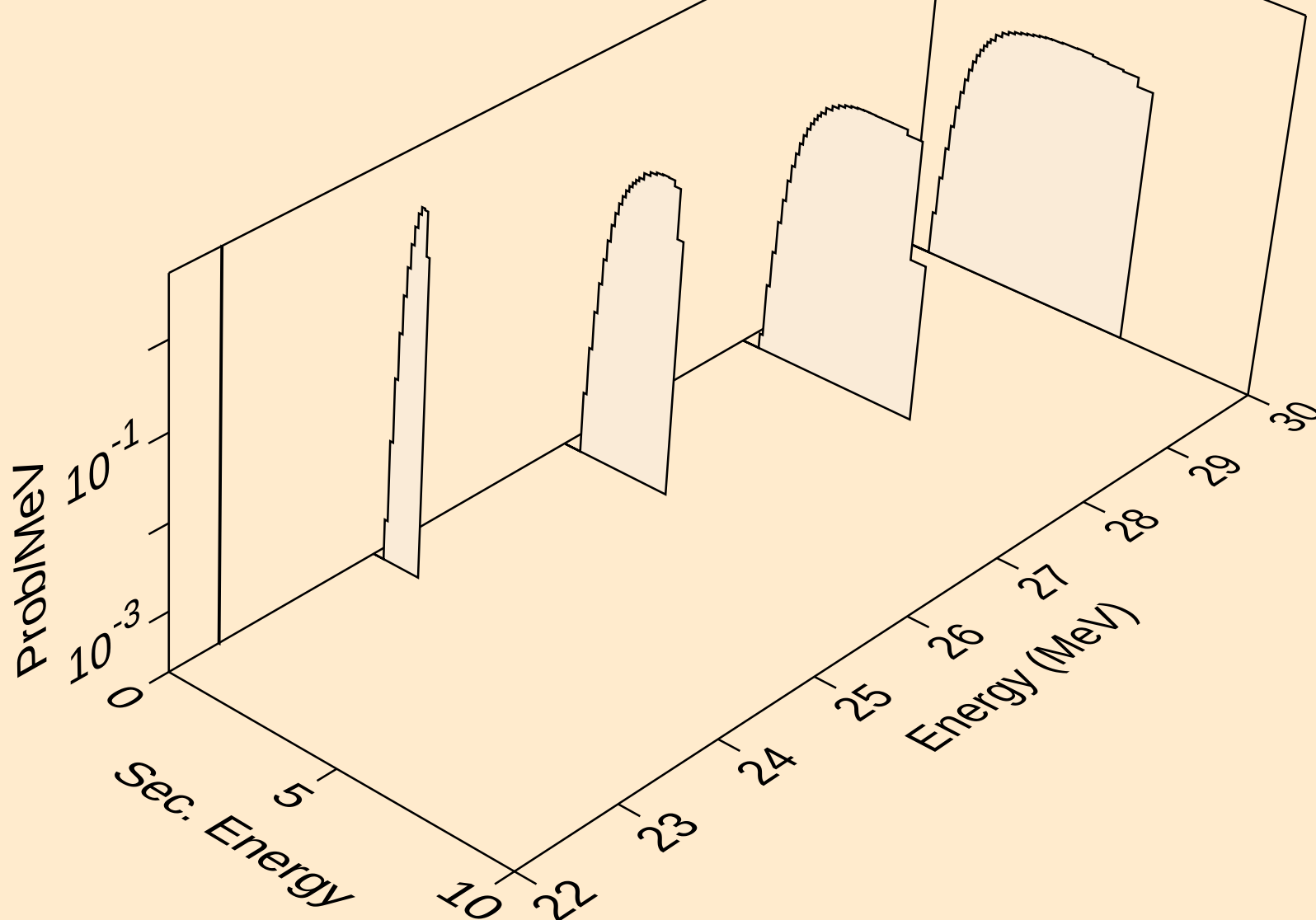
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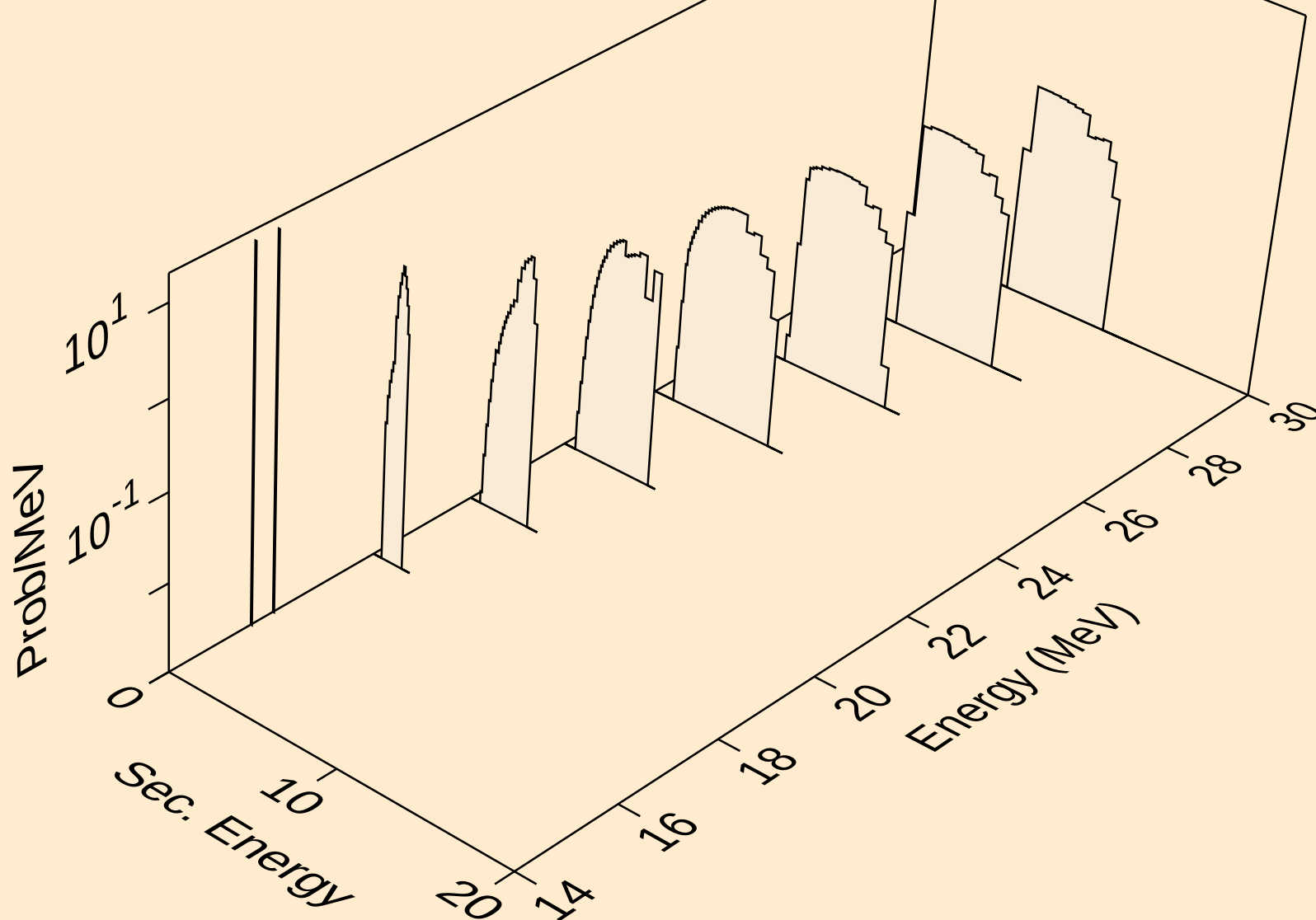
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tritons from (n,x)



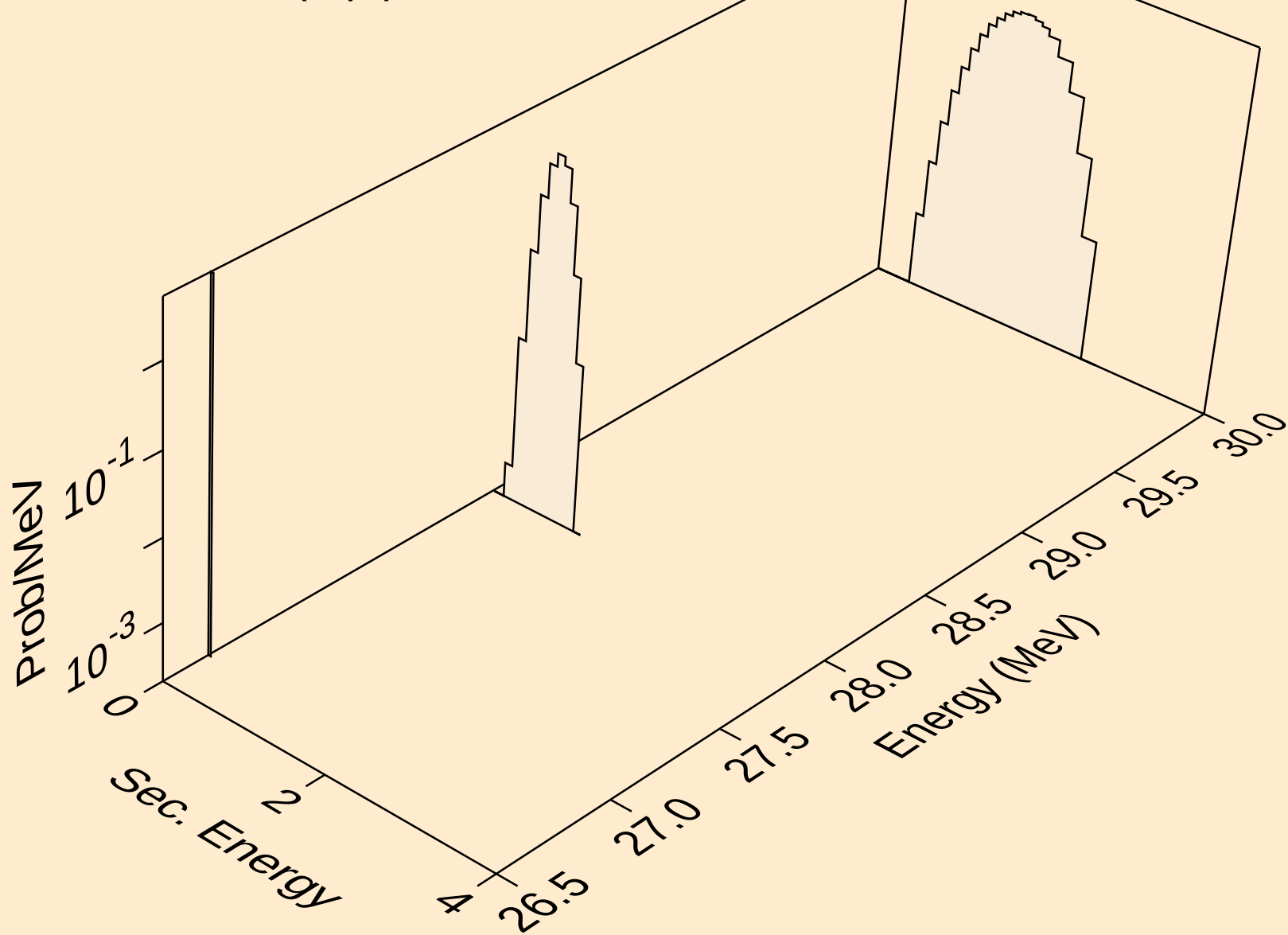
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tritons from (n,n\*)t



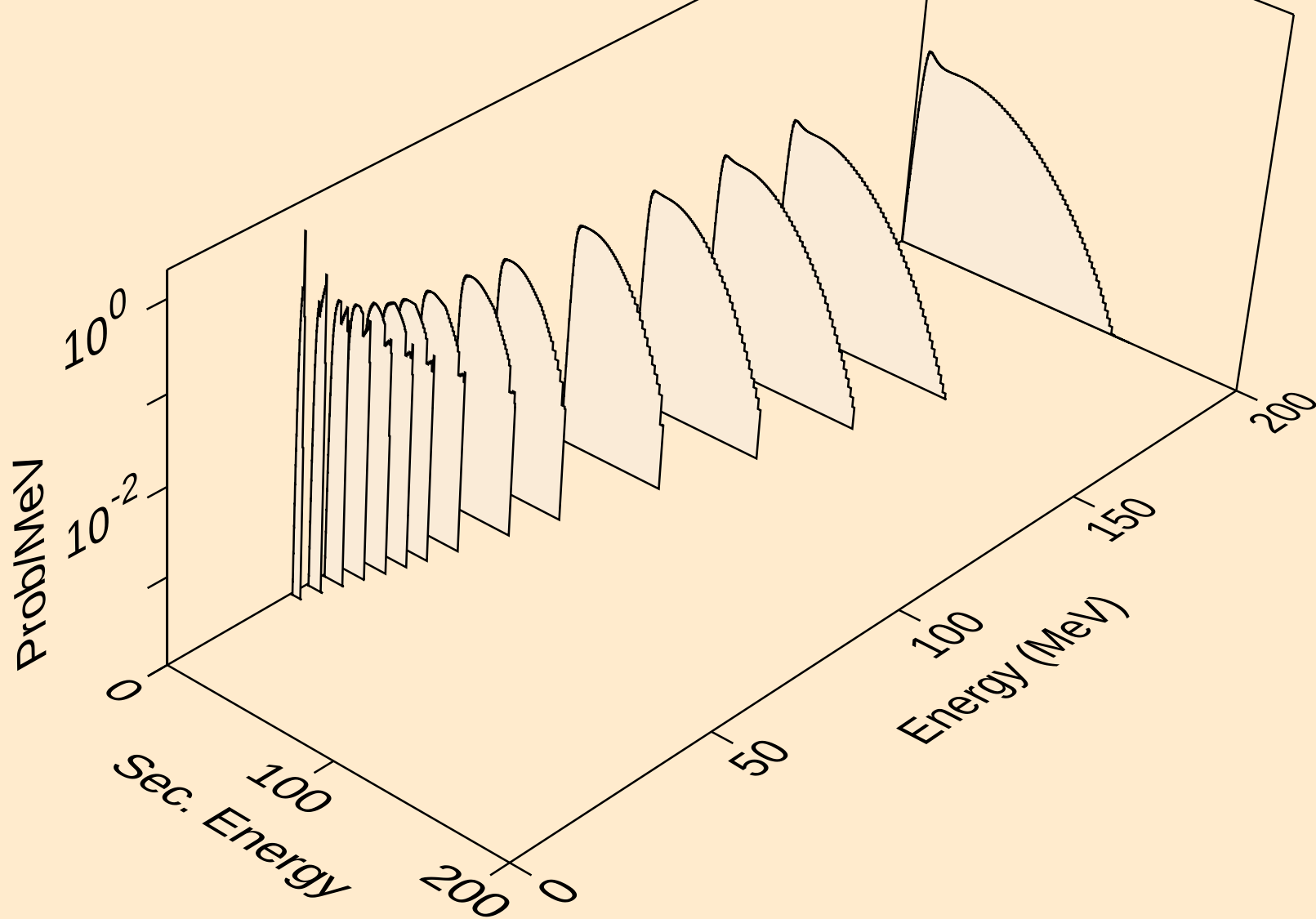
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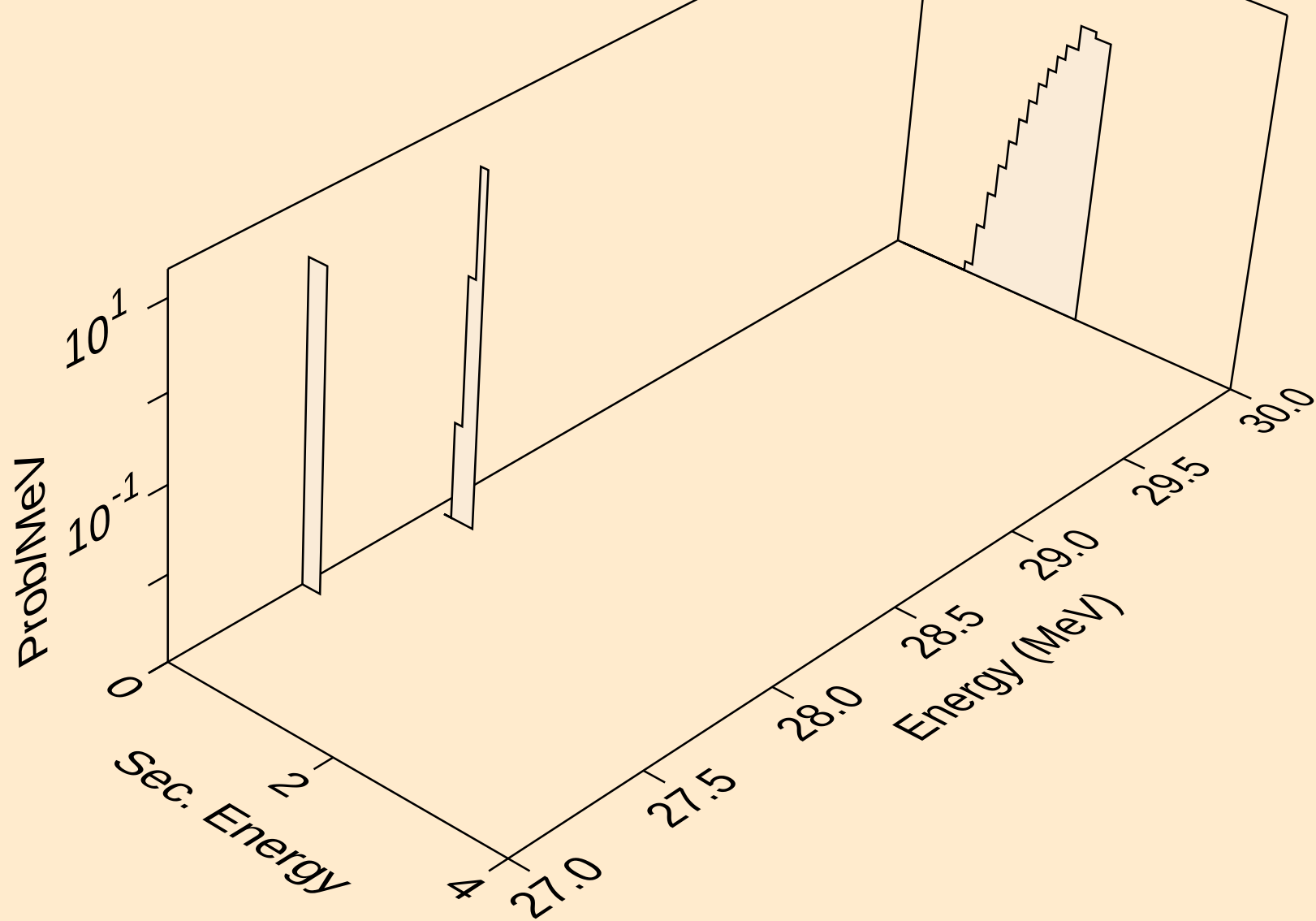
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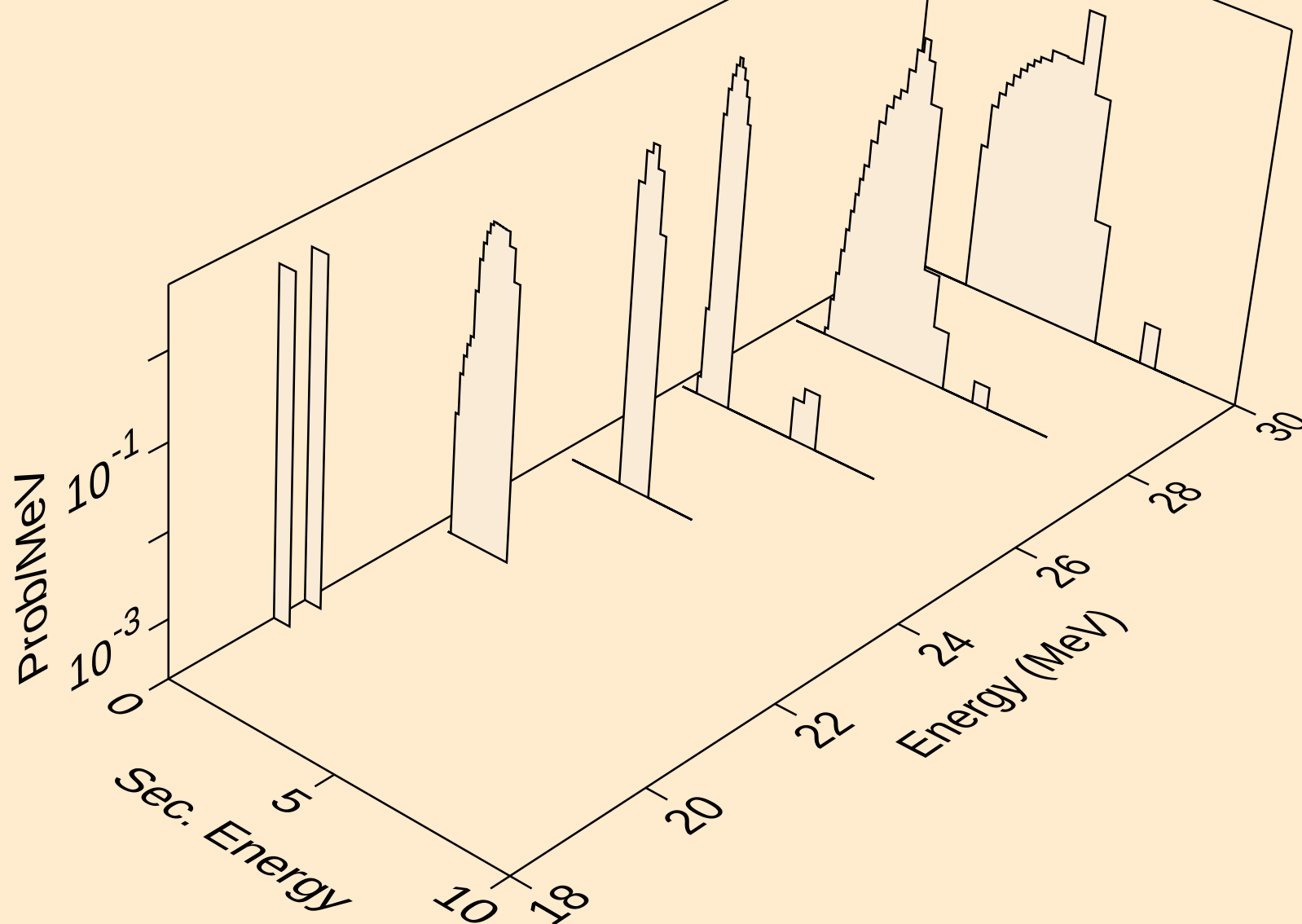
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he3s from (n,x)



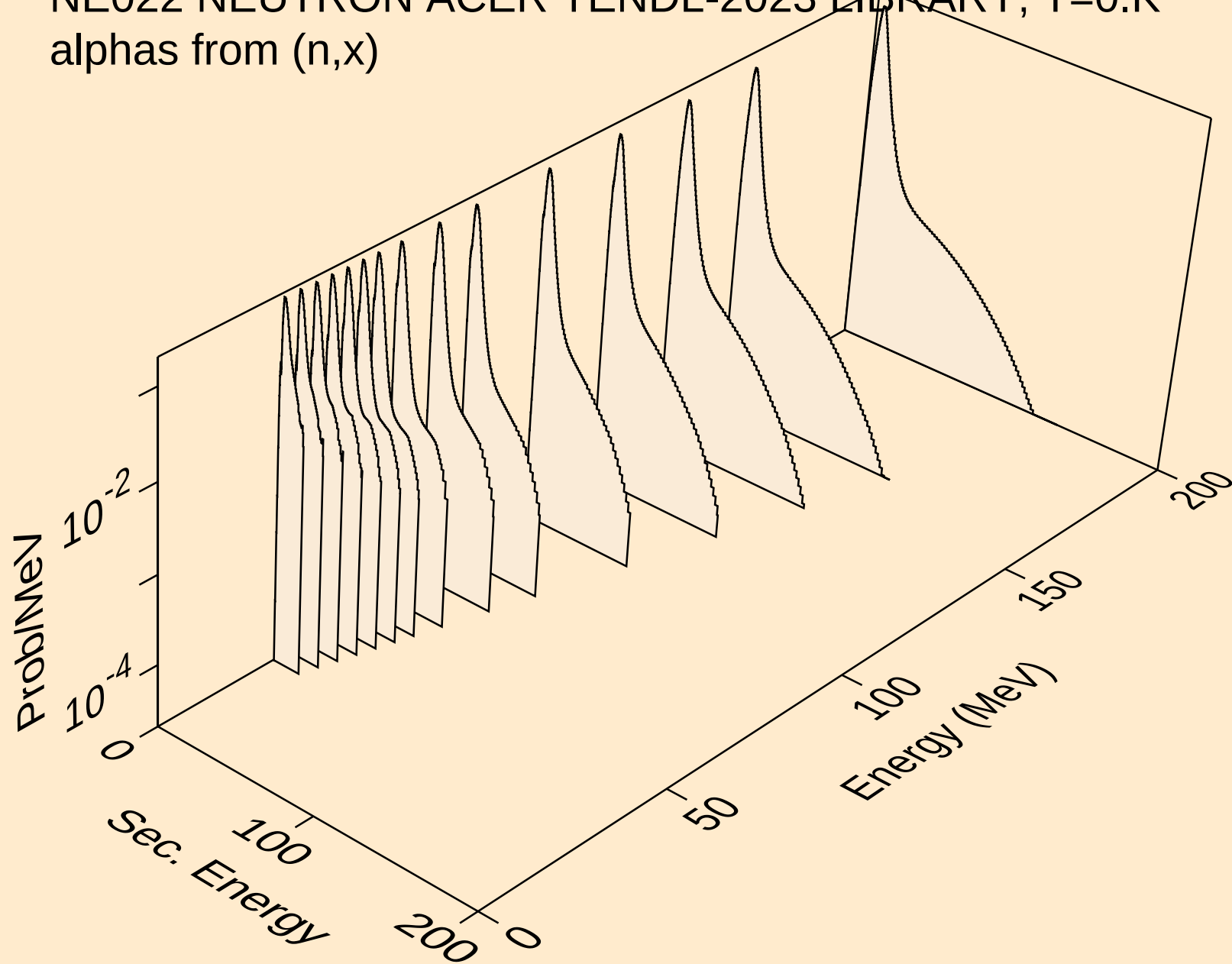
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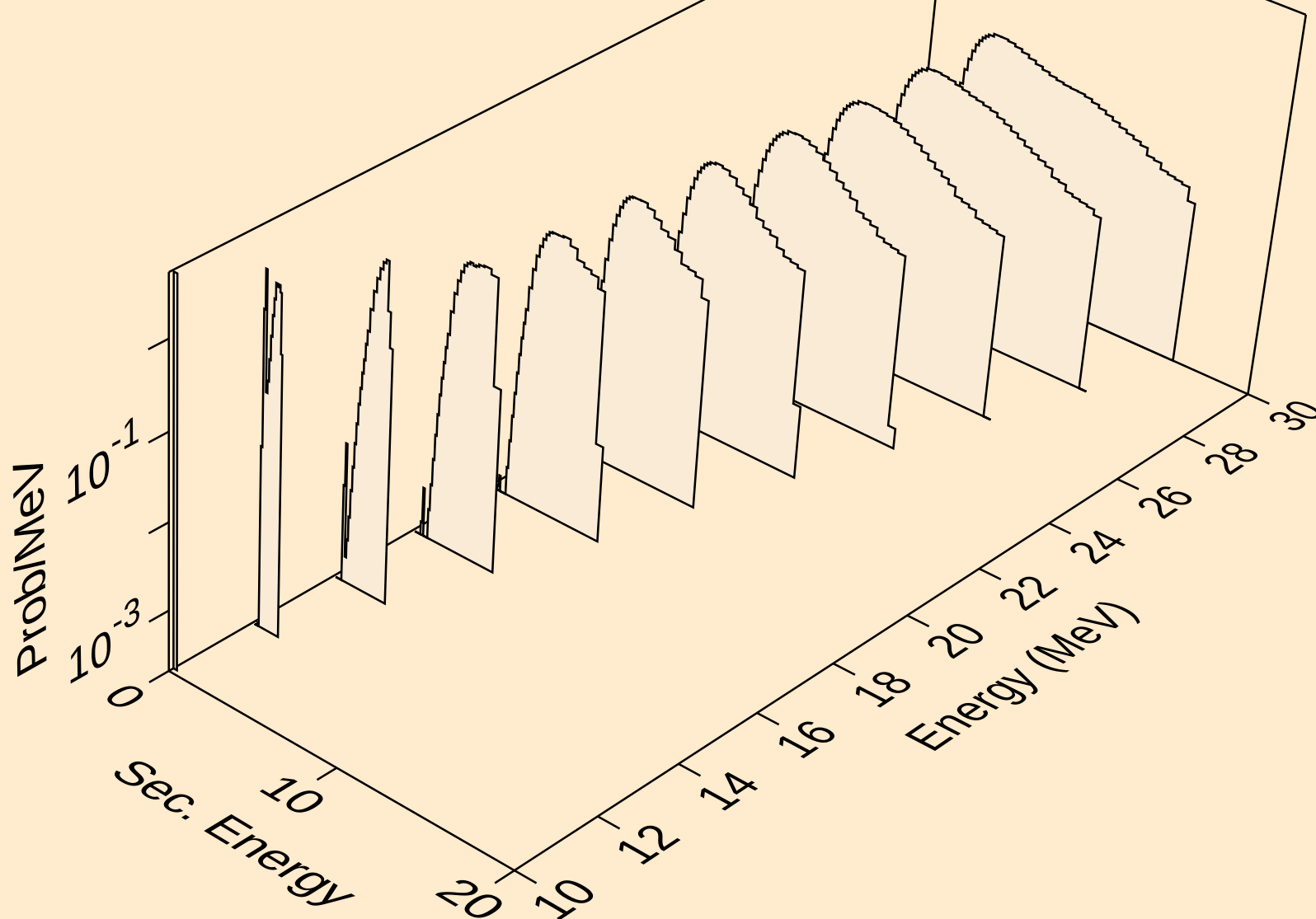
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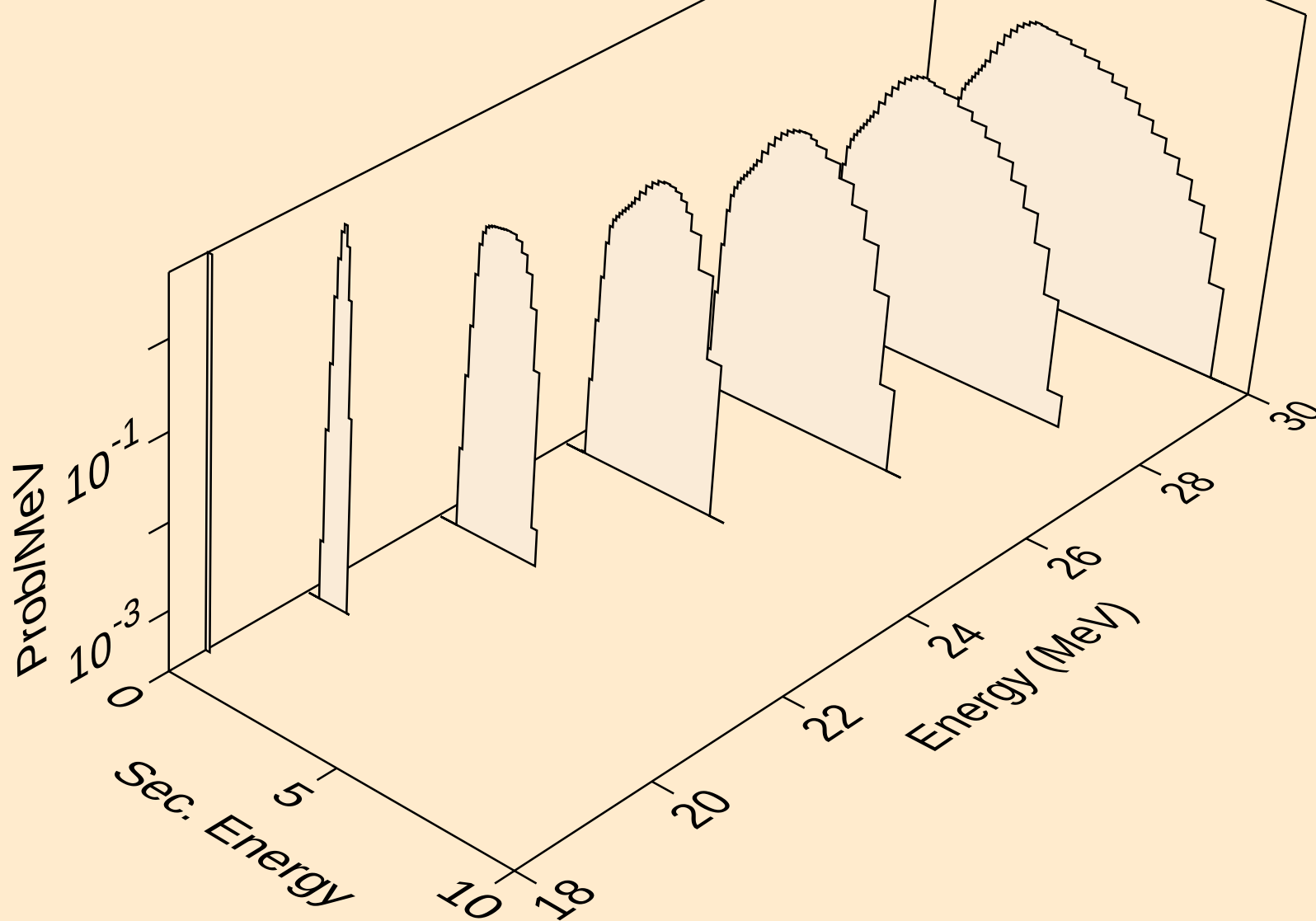
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alphas from (n,x)



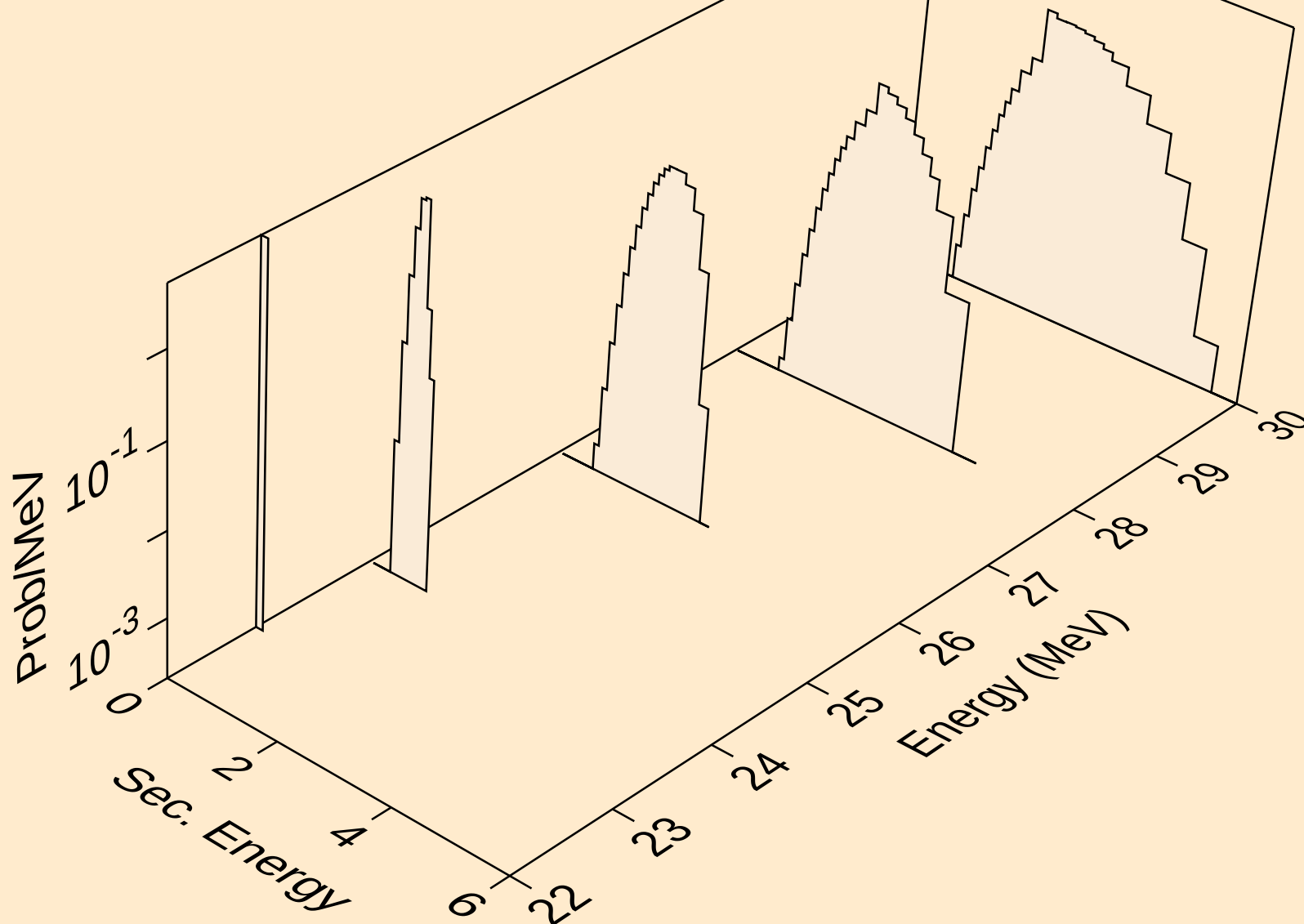
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alphas from (n,n\*)a



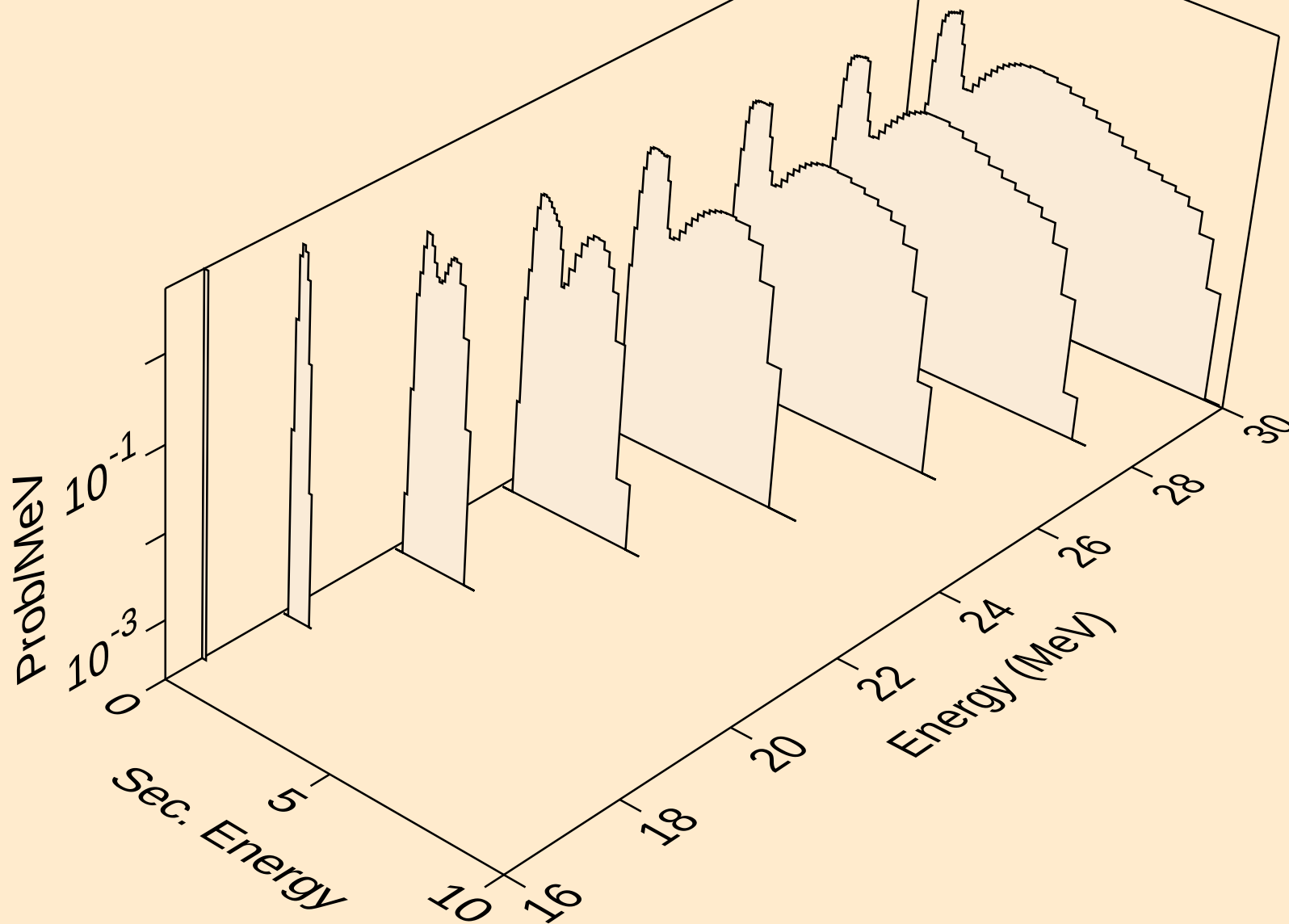
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alphas from (n,2n)a



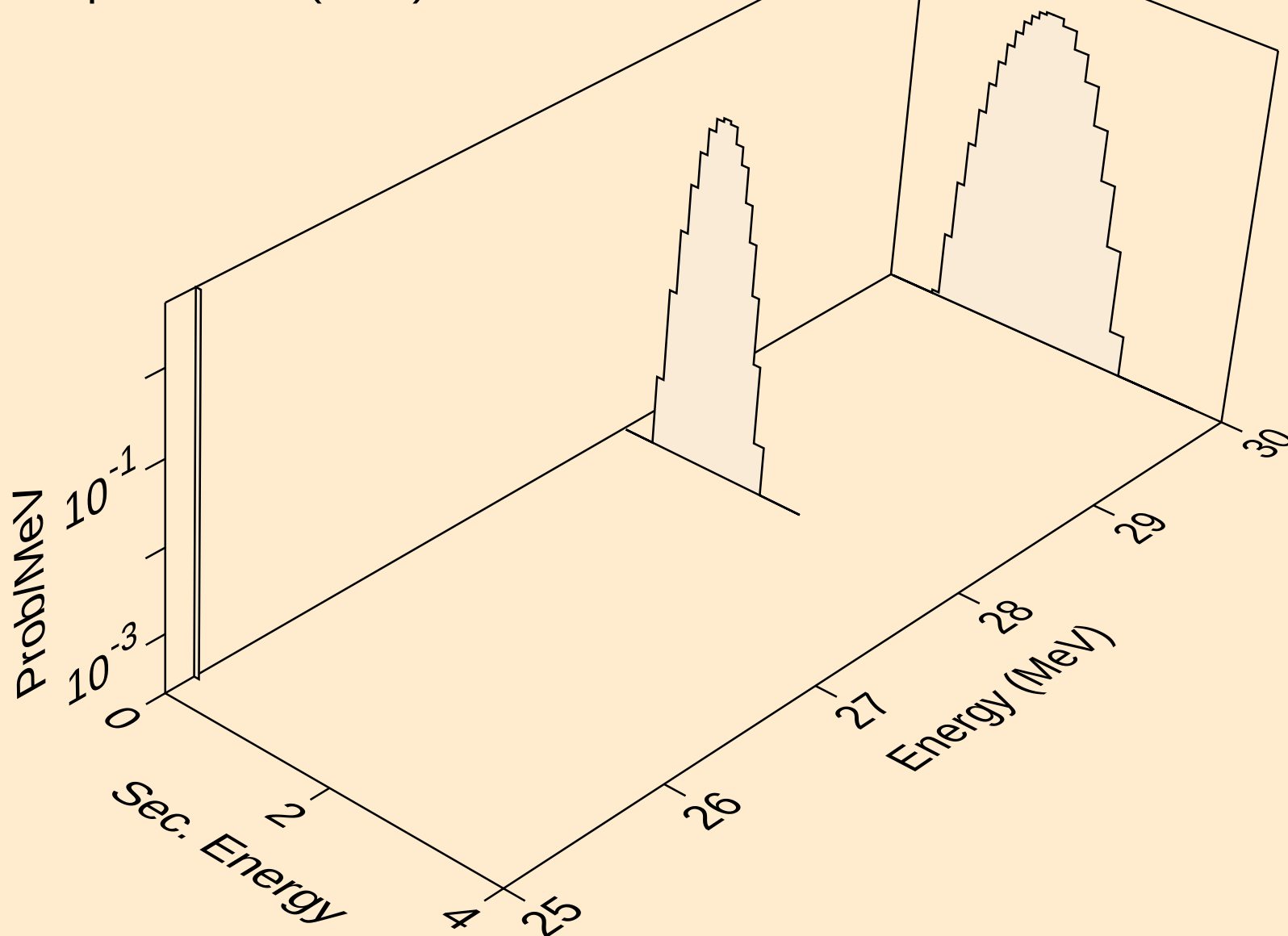
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alphas from (n,3n)a



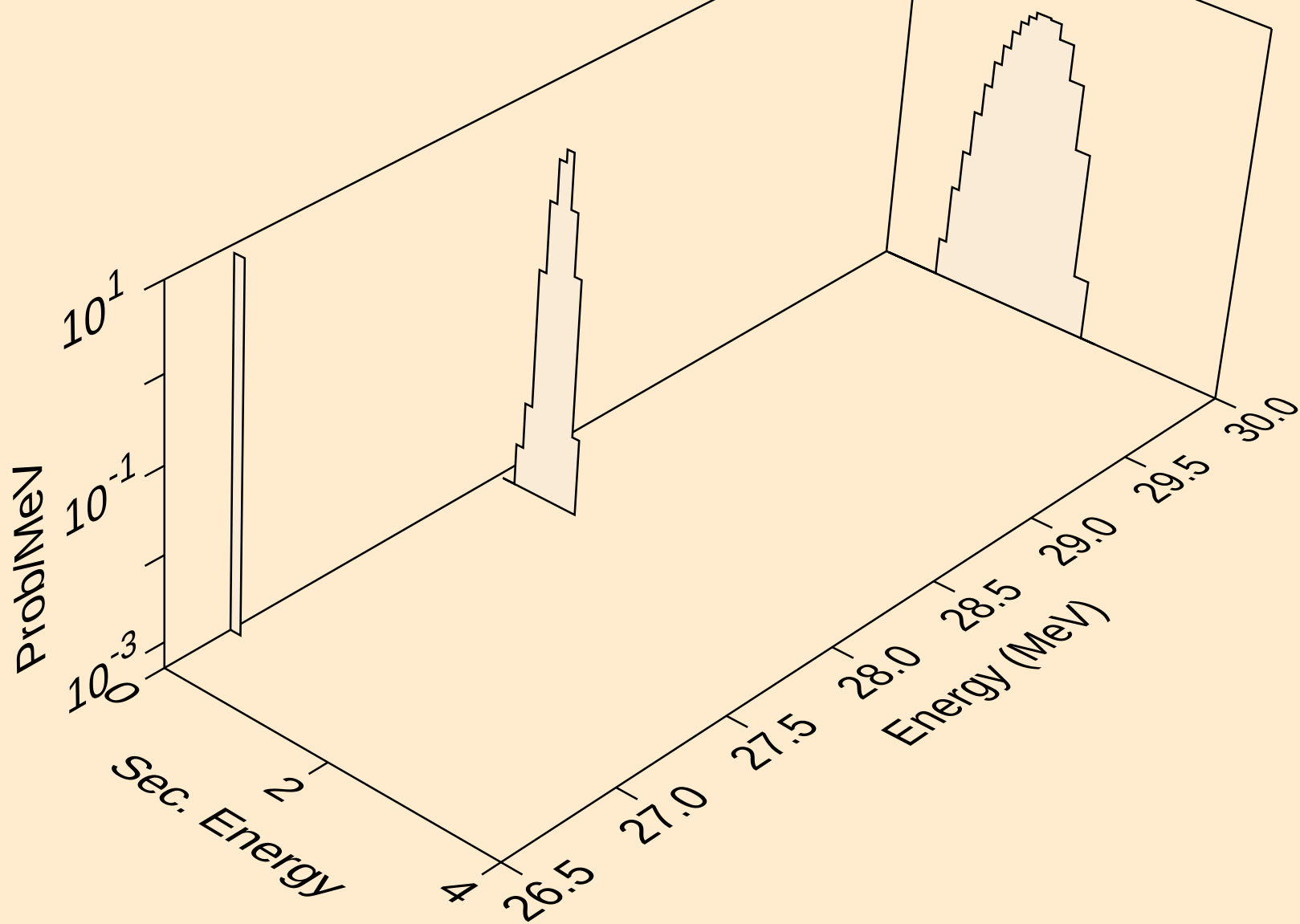
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alphas from (n,n\*)2a



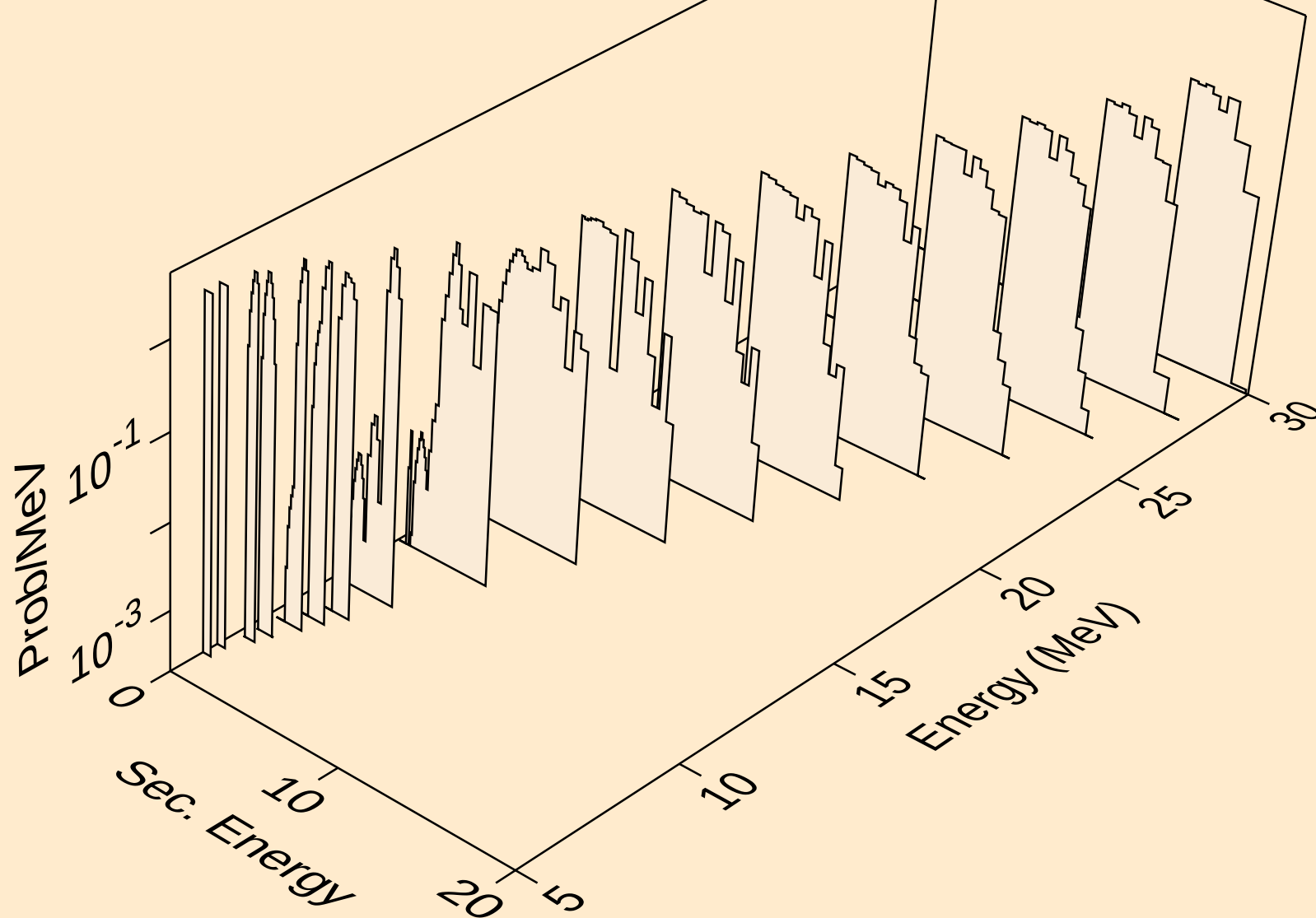
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alphas from (n,2n)2a



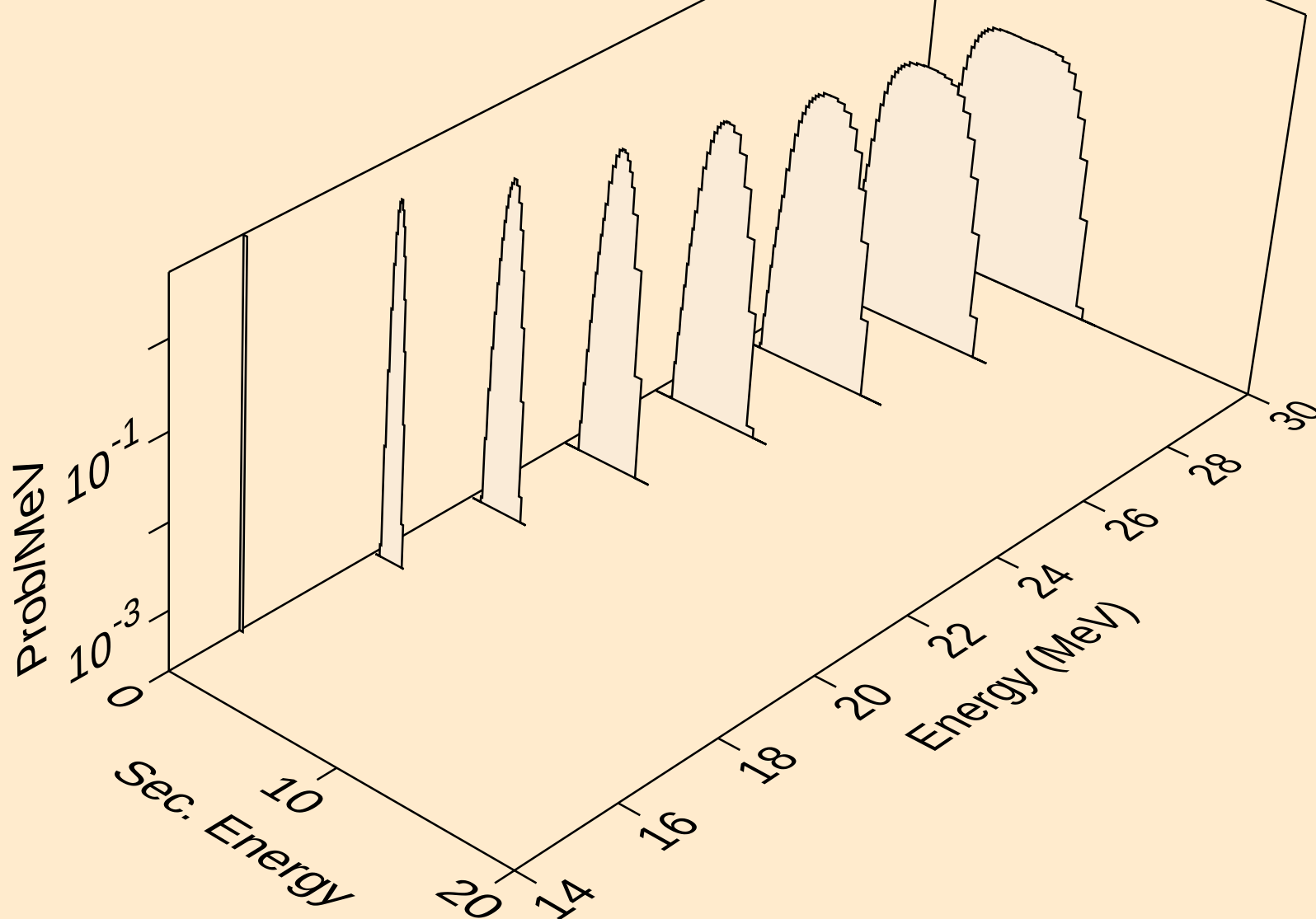
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alphas from (n,npa)



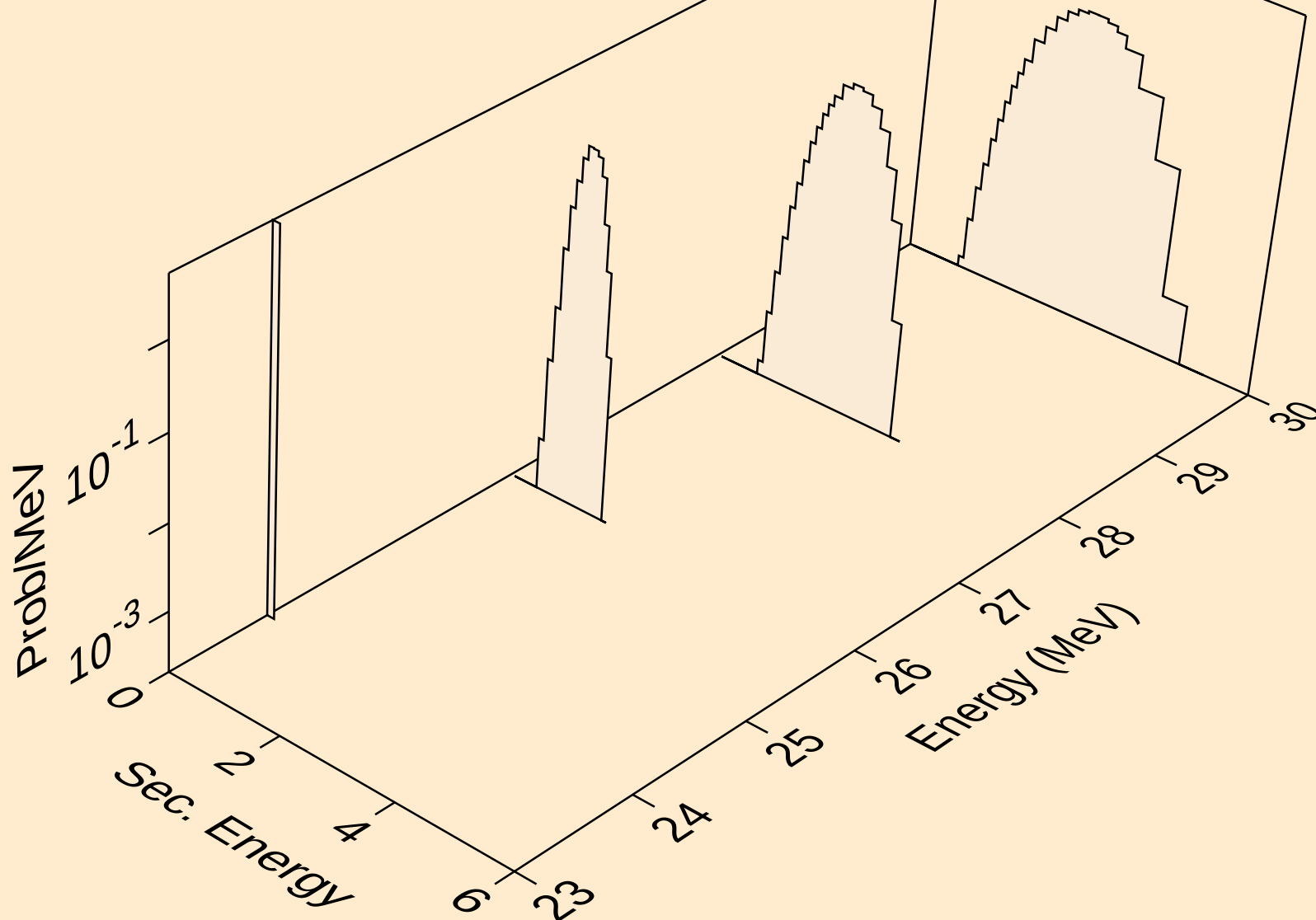
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alphas from (n,a)



NE022 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,2a)



NE022 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,pa)



NE022 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,da)

